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STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 2: Generation Study - Includes Extrapolation of Residential or Non-Residential Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

STAFF ROOM

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.

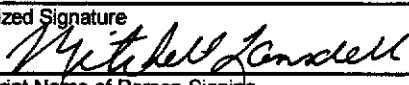
☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
Gardena		Los Angeles	
Authorized Signature		Title	
		City Manager	
Type/Print Name of Person Signing	Date	Phone ()	
Mitchell G. Lansdell	12/31/01	(310) 217-9570	
Person Completing This Form (please print or type)		Title	
Ledra Sanchez		Administrative Assistant	
Affiliation:	Gardena		
Mailing Address	City	State	ZIP Code
1717 West 162nd Street	Gardena	CA	90247
E-mail address LSanchez@ci.gardena.ca.us			

Section II: Information for New Generation-Based Study

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:

1990

2. Proposed new generation-based study year:

2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

This new generation number reflects the disposal and diversion activities in the year 2000. Since 1990, Gardena has implemented and maintained numerous diversion practices and continues to build long-term relationships, partnerships and approaches to reducing waste. Gardena is participating in the LAUSD Recycling & Education Working Group and has limited the number of haulers operating in the City -- both activities have greatly enhanced control of reporting and influence levels. Beginning in 1995, Gardena has required all haulers to offer recycling to businesses. The City has also worked with local C & D inert facilities to promote recycling as part of South Bay

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. -62 %	Diversion rate calculated using new generation-based study	b. 24 %
For existing base year pounds/person/day based on generation	10	For new generation based study pounds/person/day based on generation	19
Residential generation 25 %	Non-Residential generation 75 %	Residential generation 10.57 %	Non-Residential generation 89.6 %
Population existing generation-based study	49841	Population new generation-based study	59600

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide examples, e.g. change in jurisdiction's demographics.

This new diversion rate is the result of a detailed Waste Generation and Diversion Study. The study also reflects the numerous efforts Gardena has taken to reach their diversion goals, including measurement tools useful for tracking activities. Several new diversion programs, educational outreach, and technical assistance programs have been implemented in the city since 1990. The PARIS section of the Annual Report describe each of the programs implemented in the city. Gardena is committed to pursuing continued increases in waste diversion by further improving and expanding programs and other diversion opportunities.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The negative diversion rate indicates that the base year was not accurate. The disposal was severely underestimated and the self haul was not quantified. Diversion estimates did not include waste reduction practices and internal business recycling. Gardena has a comparatively small residential portion compared to its non-residential and multi-family sector. Gardena has a franchised hauler only in its residential sector and had an open hauler policy in the commercial sector until only recently. This made it very difficult to obtain an accurate representation of recycling and diversion in the non-residential sector compounded with the issue of mis-reporting. An extensive business waste audit was conducted in 1999-2000 and a formal reporting system from all haulers is now in place. The default adjustment method does not accurately represent the impact of these and other diversion programs. The new base year study enabled the city to gain a clear understanding of the existing disposal and diversion activities. Gardena has also implemented a significant number of diversion programs since

7. Disposal Tonnage: (enter values)		15446	137726	153172
		Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.clwmb.ca.gov/lccentral/forms/rytmrmdq.doc>)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.clwmb.ca.gov/lccentral/forms/rytmrmdq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: the Board expects the jurisdictions to be able to provide all back up documentation, if requested.) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes (i.e., agricultural wastes, inert solids (e.g. concrete, asphalt, dirt, etc.), white goods, and scrap metal) please identify those programs/waste types and fill out section 11. Note: Restricted waste material should not be extrapolated in non-residential waste audits. Please mark as attachment 8 all copies of survey forms.

* Please provide detailed non-residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation (A+B)/Total Generation	Specific material type(s)	Specific conversion factor used (if any) and Source	Type of record and location of record
Residential Activities:							
Source Reduction							
Backyard composting							
Grasscycling							
Other residential source reduction (list each program separately)							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Subtotal Res. Source Reduction	0	0	0				
Recycling							
Curbside Recycling	1199	N/A	1199.00	0.6%	ONP, OCC, MP, glass containers, HDPE, PET, A cans, tin cans	Source: franchised hauler: Waste Management, Los Angeles Metro Division	Waste Management / LA Metro Division Curbside Recycling Report for 2000
Buyback centers	2798	N/A	2797.9446	1.4%	Aluminum, plastic, and glass redemption containers	Source: Department of Conservation	Buy Back Center Tonnage Report from the State of California, Department of Conservation
Drop-off centers	341	N/A	341	0.2%	numerous materials taken, only ONP determined	Source: Western Recycling Company tonnage records for (partial year)	Report requested from Western Recycling Company, private drop off recycling center in Gardena
Other residential recycling (list each program separately)							

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s)	Specific conversion factor used (if any) and Source	Type of record and location of record
2070-RC-SNL Bulky Item Pick-up	332	N/A	(A+B)	(A+B)/Total Generation	Recyclable or salvageable/donated White Goods, Bulky Items, etc.	Source: franchised hauler: Waste Management, Los Angeles Metro Division	Waste Management / LA District Residential Solid Waste & Bulky Item Tonnage Report. Only once-a-year special collection tracked; on-call pick-ups not tracked
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Residential Recycling	4170		4658.5446	2.3%			
Green waste drop-off		N/A					
Curbside green waste	1252	N/A	1251.68	0.6%	residential green waste recycling begun in June 2000	Source: franchised hauler: Waste Management, Los Angeles Metro Division	Waste Management / LA Metro Division Curbside Recycling Report for 2000
Christmas Tree program		N/A			Christmas Tree material taken to Carson Transfer Station which then goes to ADC - using that credit	Source: franchised hauler: Waste Management, Los Angeles Metro Division	tonnage report by request from Waste Management (franchised hauler)
Other residential composting (list each program separately)							
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Residential Composting	1252		1251.68	0.6%			
Subtotal Residential Diversion	5921	0	5921.2246	2.9%			
Non-Residential Activities							
Source Reduction							
Non-residential Waste Audits*	10613	1827	12439.3	6.3%		See Section 9	See Section 9
Other non-residential source reduction (list each program separately)							
1000-SR-XRG Grasscycling, Government	242	N/A	241.6175	0.1%	Grass Clippings	7.61 tons per acre per year Source: Reusing Turfgrass Clippings to Improve Turfgrass Health and Performance in Southern CA/ California Turfgrass Culture study.	Based upon Gardena parks acreage of 29 acres, 75% grasscycled and 10 additional acres of medians with turf, Dave Negrete, Park Supervisor

Diversion Activity	Actual tons (A)	Estimated or extrapolated tons (B)	Total tons (A+B)	Relative Percent to Total Generation (A+B)/Total Generation	Specific material type(s) (List programs with multiple materials together)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwrn.b.ca.gov/LSCentral/PARIS/Codes/Redline.htm							
1040-SR-SCH School Source Reduction - various programs in LAUSD						Source: LAUSD Summary of Recycling & Source Reduction Activities; ratio of Gardena students vs. Total for District	LAUSD Working Group members can request report from the OEHS - Office of Environmental Health & Safety
4050-SP-WDW Tree Trimmings Mulched	581	N/A	581.03	0.3%	grasscycling, various materials & containers reuse, tire recapping, offer vs. serve lunches, & more	West Coast Recycling 60 lbs/truck tire Source: USEPA	Tonnage report to City of Gardena by West Coast Recycling. Year 2000 end use appear to be mostly ADC usage Ron Jackson, Supervisor of Vehicle Maintenance, City of Gardena
4020-SP-TRS City Tire Recapping Program	1	N/A	0.75	0.0%	city tree trimmings taken for mulch or firewood		
4060-SP-CAR Govt Special Waste - sub-se material for roads	145	N/A	145.314	0.1%	City tires recapped sub-se material (asphalt) reused for roads (scratch & milling of surface)	45 lbs/cubic foot Source: FEECO	Local Street Overlay Job 722 per John Falix, Engineering, City of Gardena
Subtotal Non-Residential Source Reduction	11781	1828.7	13609.715	6.7%			
Recycling							
Non-residential Waste Audits*	7448	12578	20025.75	9.9%			See Section 9
Other non-residential recycling (list each program separately)							
2050-RC-SCH - School Recycling		N/A					
Abandoned tire recycling program	431	N/A	431	0.2%	Paper, cardboard, concrete, juice cartons, trays, and more	Source: LAUSD Summary of Recycling & Source Reduction Activities; ratio of Gardena students vs. Total for District	LAUSD Working Group members can request report from the OEHS - Office of Environmental Health & Safety
Chandler's Pit	8	N/A	7.7	0.0%	Abandoned tires picked up and recycled	20 lbs/car & 60 lbs/truck tire Source: USEPA	Ron Jackson, Supervisor of Vehicle Maintenance, City of Gardena
Transformation					Resale of inert material as aggregate. Does not include inert recycling for use as land reclamation of 16,864 tons in 2000. (Inerts not identified or extrapolated in business audits either.)		
	2362	N/A	2362	1.2%		Chandler's Palos Verdes Sand & Gravel Company	Facility Record at Chandler's
	771		771	0.4%	Incineration of mixed waste at Commerce and SERRF, Actual Weight	Actual Weight	Los Angeles County DRS Report
Subtotal Non-Residential Recycling	11020	12577.75	23597.75	11.7%			

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s) (List programs with multiple materials together)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmmb.ca.gov/ LGCentral/PARIS/CodeSet/Reduce.htm	(A)	(B)	(A+B)	(A+B)/Total Generation			
Composting							
Non-residential Waste Audits	455	733	1188.59	0.6%	See Section 9	See Section 9	See Section 9
Other non-residential composting (list each program separately)							
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Non-Residential Composting	455	733.48	1188.59	0.6%			
Subtotal Non-Residential Diversion	23256	15137.93	38394.0518	18.0%			
Residential/Non-Residential Diversion Activities							
ADC						Source: CIWMB Jurisdiction & ADC by Facility report for 2000	www.ciwmb.ca.gov/LGTools/DRS/JurDspFa.asp?V=W=Out
Sludge	663	N/A	663.21	0.3%	Soil, dirt & greenwaste		
Scrap metal		N/A			audits		
Construction and demolition		N/A					
Landfill salvage		N/A					
Subtotal Residential/Non-Residential Diversion	3836	N/A	3836.04	1.9%	Beneficial Use/salvage column	LA County Dept. Public Works Quarterly Disposal Quantity Reporting for the City of Torrance	LA County Dept. Public Works
Total Res/Non-Res Source Reduction Tons	4589		4599.25	2.3%			
Total Diversion Tons	11781	1827	13608	6.7%			
Total Disposal Tons from Sec.7	33777	15137.93	48914.5251	24%			
	153172		153172.31	75.8%			
Total Generation (Div+Dis)	186949	15137.93	202086.7261				

Diversion Rate	24%
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9. Specific Non-Residential Sector Waste Audits – Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from the largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Form will perform all calculations).

Include attachment, marked attachment 9, which includes a summary of all the generators surveyed and all extrapolation calculations used to estimate the diversion rate:

- Include copies of survey form(s) used.
- Include for each generator (use type of generator in lieu of specific generator name, e.g. grocery store) each specific diversion activity and material type (e.g. cardboard recycling) and the associated tonnage for each diversion activity/material type, and applicable conversion factors/source.
- If using number of employees for your extrapolation method, include this information for each generator surveyed.
- Please order the non-residential generators, largest to smallest, based on total diversion tons.
- Also, summary should include the generators that were selected to be surveyed, but did not respond to the survey and the number of employees at each generator.
- As a comparison between disposal from the waste audits and DRS, the disposal for each generator must be included in the summary. Also, you should note if the disposal is being used for the extrapolation calculation. For each non-residential generator, the disposal must be broken out by cubic yard, and roll-off or compactor weights. If disposal was estimated for either disposal-based or employment-based extrapolation methods, please include conversion factor(s) for disposal and source for conversion factor(s). Please provide an explanation as to how the conversion factor(s) is (are) appropriate for your jurisdiction, e.g. study was conducted to determine average weights using hauler weight tickets, etc.

Type of Non-Residential Generator	Audit Reference Number	Specific Diversion Activities (include material type (e.g. paper recycling, glass recycling). (List activities on one line)	Number of Employees	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
see attached sheets									
Totals									

Summarize the non-residential diversion activities for the top 10 generators quantification methodology and applicable conversion factors and sources. (e.g. cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)
see attachments

10. On a separate sheet of paper, marked attachment 10, provide the following information for each diversion program listed in section 8 that was extrapolated from representative sampling. (Note: Do not include non-respondents in extrapolation because there is no data from the non-respondents. Extrapolate from survey respondents.)

A. Describe sampling method including:

- Type of sampling method (for either stratified or cluster sampling provide detailed information on how strata and clusters were collected.);
- Total number of samples included in the survey;
- Number of non-respondents and respondents;
- Total population;
- Source for identifying population (e.g. city business licenses, commercial database, resident's addresses, etc.);
- Relation of sample size to total population;
- Survey data collection tool(s) and approaches;
- Confidence level and margin of error for the sampled population;
- Outliers (specific generators which fall significantly above or below others) should be removed from base amount prior to extrapolation; and
- Unusual outliers and exceptional anomalies should be described in detail.

B. Describe the methods used to prevent double-counting between the surveys and the reported tonnages from haulers, recyclers, MRFs and composters.

C. Describe extrapolation method including:

- Basis of extrapolation;
- Why this extrapolation method is appropriate; and
- Sources of information used for extrapolation, such as disposal or employment.
- Include all Calculations.

The negative diversion rate indicates that the base year was not accurate. The disposal was severely underestimated and the self haul was not quantified. Diversion estimates did not include waste reduction practices and internal business recycling. Gardena has a comparatively small residential portion compared to its non-residential and multi-family sector. Gardena has a franchised hauler only in its residential sector and had an open hauler policy in the commercial sector until only recently. This made it very difficult to obtain an accurate representation of recycling and diversion in the non-residential sector compounded with the issue of mis-reporting. An extensive business waste audit was conducted in 1999-2000 and a formal reporting system from all haulers is now in place. The default adjustment method does not accurately represent the impact of these and other diversion programs. The new base year study enabled the city to gain a clear understanding of the existing disposal and diversion activities. Gardena has also implemented a significant number of diversion programs since 1990, and will continue to expand and improve existing programs. Along with numerous outreach and educational activities and partnerships with neighboring jurisdictions, Gardena will continue to implement city-wide programs with major impact such as our recent addition to curbside green waste collection.

Attachment 10
City of Gardena
Extrapolation

A. Sampling Method

A computerized database containing the business licenses from the City of Gardena was utilized as the sampling universe. The businesses were stratified into large and small strata using the 80/20 rule (large strata defined as the 80% cumulative number of employees) to determine the threshold of large and small strata. The CIWMB revised the sampling requirements in the April 24, 2001 Diversion Study Guide to require 243 samples to meet the 90 % confidence interval and a 5 % precision level (Diversion Study Guide Appendix K). The City of Gardena contacted over 300 businesses, and collected data from 248 on-site completed surveys. The primary purpose of the surveys was to develop information for new programs that can be focused on the commercial and industrial businesses in the City of Gardena.

B. Methods used to prevent double counting

To prevent double counting, the regional diversion facilities for traditional recyclable materials (paper, plastic, OCC, etc.) were not quantified. The focus of the study was to obtain the information from the generator side, rather than the regional diversion facility side. This method is preferred because many regional diversion facilities do not know the jurisdictional source of the recyclables that they receive. Many of the end markets are unknown and experience from previous studies indicates difficulty identifying all of the regional recyclers.

C. Extrapolation Method Description and Outlier Analysis

The extrapolation is based on employment-based statistical extrapolation methodology. After removal of the outliers (businesses with extraordinary diversion as defined below), a source reduction correlative factor for diversion, and a recycling correlative factor for diversion were developed from the on-site surveys by dividing the total diversion tons by the number of employees in the sample base. The correlative factors for diversion were developed separately for the large strata and the small strata after removal of the outliers for each type of diversion practice (recycling, source reduction and composting).

The outlier analysis method was reviewed with the CIWMB staff. The outlier analysis screening filter consisted of a two-part test. The first part is a mathematical test that identifies any individual business that has a "high" diversion correlative factor. This was accomplished mathematically by first calculating the simple average for each strata. Next the standard deviation was calculated. A threshold value that raises a "red flag" as potential for being an outlier was determined by adding the value of the simple average to twice the standard deviation value for each business surveyed. The correlative diversion factor for each business (and each respective diversion practice) was subtracted from the threshold value. If the answer resulted in a negative value, that particular business was subjected to the second part of the test, which consisted of three questions:

- 1) Is this business unique in this city?
- 2) Is the diversion practice unique?
- 3) Is the diversion tonnage significantly larger than achieved by similar businesses of this type and size?

If the answer to all three subparts is no, then the individual business was not considered an outlier. If the answer to any single one of the subparts is "yes", the sample is considered an outlier and removed from the calculation of the extrapolative diversion correlative factor to prevent excessive diversion credit being given to the city. Once a sample is an outlier, the diversion from the business is only added to the final computed diversion from extrapolation diversion as an "actual sample" (that is, not included in the extrapolation). This insures that the diversion from the business ~~is~~ counted, but not extrapolated to give unreasonable diversion quantities.

The Excel spreadsheet files for extrapolation (showing the calculation formulas in each cell) have been provided to the CIWMB with the new base year certification request form.

D. Source of Business Listing / Sampling Population

Several of the haulers provided their customer lists as well. A Dunn and Bradstreet database was used to determine the total number of employees in order to define the 80% cut-off point between the Large Business Strata and the Small Business Strata. Site visits were conducted at 248 businesses. Approximately 10.56 percent of the businesses in the City of Gardena were visited.

E. Sampling Accuracy

The sampling plan statistical accuracy is based on Appendix K of the CIWMB April 2001 Diversion Study Guide. The number of samples meets the minimum requirements of 90 percent confidence interval, with a plus or minus 5 percent precision level. The City of Gardena's new base year study utilizes on-site data from 248 samples. (Source CIWMB: 2349 businesses in Gardena.)

11. For each restricted waste type [(i.e. agricultural waste, inert solids (e.g. concrete, asphalt, dirt, etc.), scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table:

(Note: program name refers to one specific diversion program for that waste type, for example diversion conducted by City Public Waste Dept.)

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids ▼	Chandlers Rock and Gravel crushing and resale of inerts for road base	1992	2362
Inert Solids ▼	City scratch & milling of street surfaces / reuse of roadbase materials		145
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 11b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 11b for that waste type and program. Instead please provide date of Board approval of previous submitted information.) _____ (Date)

If documentation is not available, go to 11d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].

- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.

- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 11b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 11b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Board Meeting January 14-15, 2003

Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Recycling	SR	Metals R	Year Restricted Mtn/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year
1	turning & milling	OCC reuse	2	212.00				0			paper	2.2 lbs/med box	USEPA	212.00	0.11
		paper SR - 1/mo		132.00							other org	40 lbs/ea in system	USEPA	132.00	0.07
2	precision lifting	paper SR - 1/mo	36	20,810.00	393,758.29			0			other org	40 lbs/ea in system	USEPA	414,568.29	207.26
		paper repair - 10/wk		20,800.00							other org	40 lbs/pallet	USEPA	20,800.00	10.40
		OCC recycling			7,800.00						paper	50 lbs/cy	Tellus	7,800.00	3.90
		bag paper recycling			155,844.00						paper	37 lbs/cf	FEECO	155,844.00	77.92
		toner cartridge return		10.00							other	2.5 lbs/each	USEPA	10.00	0.01
		paper core to neighbor bns			4,114.29						paper	1200 lbs/load	Business	4,114.29	2.06
		tab rolled ends recycling			16,000.00						paper	4K-6K per quarter	Business	16,000.00	8.00
		all plastics recycling		210,000.00							plastic	105 TPY	Business	210,000.00	105.00
3	foam products mfg	OCC reuse	30	3,475.00	262,221.32			0			paper	50 lbs/week	Business	265,696.32	142.85
		paper recycling		2,600.00							paper	25.41 lbs/3gallon	USEPA	2,600.00	1.30
		paper recycling end of year			1,321.32						paper	100 lbs/yr	USEPA	1,321.32	0.66
		polyurethane foam recycling			280,800.00						plastic	500 lbs/pale	Business	280,800.00	140.40
		paper SR - 10/wk		800.00							other org	40 lbs/ea in system	USEPA	800.00	0.40
		toner cartridge return		75.00							other	2.5 lbs/each	USEPA	75.00	0.04
4	soil stabilization	paper recycling	20	47,840.00	9,990.00			0			paper	5 lbs/ream	USEPA	57,830.00	28.92
		plastic drum recycling			260.00						plastic	15 lbs/each	Ecotel Field Stud	260.00	0.13
		plastic drum recycling			30.00						other org	40 lbs/each	USEPA	30.00	0.02
		pallet return to retail store - 18/wk		37,440.00							other org	40 lbs/each	USEPA	37,440.00	18.72
		wood and plywood reuse		10,400.00							other org	200 lbs/week	Business	10,400.00	5.20
		tires recycling			100.00						other	100 lbs/yr	Business	100.00	0.05
5	flower shop	OCC recycling	1		132.00			0			paper	2.2 lbs/med box	USEPA	132.00	0.07
		export packing	10	NO ALLOWABLE R or SR							paper	2.2 lbs/med box	USEPA	132.00	0.07
6	sheet metal fabrication	metal SR - 3/wk	20	6,240.00				0			other org	40 lbs/pallet	USEPA	48,600.87	24.25
		metal recycling		6,240.00							metal	27000 lbs / mo	Business	42,280.87	3.12
8	export used clothing	eliminated OCC boxes	20	3,168.00	24,000.00			0			other org	40 lbs/pallet	USEPA	27,168.00	13.58
		eliminated OCC boxes		3,168.00	24,000.00						paper	2.2 lbs/box	USEPA	3,168.00	1.58
9	magazine dist.	paper recycling	10	8,000.00	24,000.00			0			paper	2000 lbs. /mo	Business	32,000.00	16.00
		pallet return - 100/wk		8,000.00							other org	40 lbs/ea in system	USEPA	8,000.00	4.00
10	fabric knit mfg	OCC recycling	20	468.00	12,400.00			0			paper	200 lbs/week	Business	12,868.00	6.43
		paper reduction due to online & scr		468.00	10,400.00						paper	5 lbs/ream	USEPA	468.00	0.23
		pallet recycling - 50/yr			2,000.00						other org	40 lbs/each	USEPA	2,000.00	1.00
11	heater mfg	paper shred & SR for pkg.	100	31,720.00				0			paper	100 lbs/week	Business	31,720.00	25.86
		OCC recycling		5,200.00							paper	1.1 lbs/ea	USEPA	5,200.00	2.60
		pallets reuse - 10/wk		20,800.00							other org	40 lbs/each	USEPA	20,800.00	10.40
		metal recycling									metal	2000 lbs/yr	Business	20,000.00	10.00
12	engineering	paper recycling	120	11,566.00	2,717.00			0			paper	50 lbs/week	Business	14,313.00	7.16
		paper reduction by viewing onscreen reports			2,600.00						paper	5 lbs/ream	USEPA	117.00	0.06

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits - All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source	Diversion (weight in pounds)			Metals	Inerts	Restricted Pgm Began or M/in/Ag	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	in Pounds		in Tons
					Recycling	SR	R								per year	per year	
		OCC reuse			3,276.00							paper	1.1 & 2.2 lb/box	USEPA	3,276.00	1.64	
		pallets reuse - 4/wk			8,320.00							other org	40 lbs/pallet	USEPA	8,320.00	4.16	
13		auto parts store	85		485.00	6,447.41				0					6,932.41	3.47	
		OCC recycling				6,447.41						paper	50 lb/cy	USEPA	6,447.41	3.22	
		pallet return - 6/wk			480.00							other org	40 lbs/each	USEPA	480.00	0.24	
		toner cartridge return			5.00							other	2.5 lbs/each	USEPA	5.00	0.00	
14		Paper drawing and reproduction com	75		24,000.00	265,600.00				0					289,600.00	144.80	
		OCC recycling				104,000.00						paper	2,000 lbs/wk	Business	104,000.00	52.00	
		blueprint paper recycling				120,000.00						paper	40,000 lbs/3 mo	Business	120,000.00	60.00	
		Donated clothing				41,600.00						other org	40 lbs/pallet	USEPA	41,600.00	20.80	
		pallet return - 300/mo			24,000.00							other org	40 lbs/ea in system	USEPA	24,000.00	12.00	
15		tile mfg	60		104,000.00	25,740.00				0					129,740.00	64.87	
		pallets recycling - 10/day			104,000.00							other org	40 lbs/ea in system	USEPA	104,000.00	52.00	
		OCC recycling				25,740.00						paper	2.2 lbs/med box	USEPA	25,740.00	12.87	
16		ice cream store	5			8,580.00				0					8,580.00	4.29	
		OCC recycling - s				8,580.00						paper	2.2 lbs/med box	USEPA	8,580.00	4.29	
17		hotel	7		174.00					0					174.00	0.09	
		soap buckets back to vendor										plastic	1.9 lbs/bucket	USEPA	174.00	0.09	
18		retail-clothing	4			7,800.00				0					7,800.00	3.90	
		OCC recycling - s				7,800.00						paper	50 lbs/cy	USEPA	7,800.00	3.90	
19		video rental/sales	14		1,169.40	3,276.00				0					4,445.40	2.22	
		OCC reuse				1,092.00						paper	2.2 lbs/med box	USEPA	1,092.00	0.55	
		OCC recycling - s				3,276.00						paper	2.2 lbs/med box	USEPA	3,276.00	1.64	
		PS packaging reuse			62.40							plastic	1.5 lb/33 gal	USEPA	62.40	0.03	
		toner cartridge return			15.00							other	2.5 lbs/each	USEPA	15.00	0.00	
20		retail - products	11		740.00	13,884.00				0					14,624.00	7.31	
		OCC recycling - s				13,884.00						paper	1.1, 2.2 & 4 lbs/box	USEPA	13,884.00	6.94	
		reuse newspaper (wrap glass)				260.00						paper	1 lb/ea	EcoTel Field Stud	260.00	0.13	
		pallet SR - 6-8/wk			480.00							other org	40 lbs/ea in system	USEPA	480.00	0.24	
21		plumbing distribution	47		800.00	539,428.56				0					540,228.56	270.11	
		OCC recycling				511,999.99						paper	\$960/mo @ \$45/T	Business	511,999.99	256.00	
		WL recycling				27,428.57						paper	\$240/mo @ \$210/T	Business	27,428.57	13.71	
		pallet reuse - 10/wk			800.00							other org	40 lbs/ea in system	USEPA	800.00	0.40	
22		tire store	4			15,000.00									15,000.00	7.50	
		tire retread/recycled (truck)				5,400.00						other	20 lbs/tire auto	USEPA	5,400.00	2.70	
		tire retread/recycled (car)				9,600.00						other	60-100 lbs/tire truck	USEPA	9,600.00	4.80	
23		restaurant	30		NO ALLOWABLE ACTIVITIES												
24		restaurant	8			4,680.00						glass	1.08 lb/bottle	USEPA	4,680.00	2.34	
		recycle wine bottles				4,680.00									4,680.00	2.34	
25		body shop	12			2,600.00						paper	50 lbs/cy	USEPA	2,600.00	1.30	
		OCC recycling - s				2,600.00									2,600.00	1.30	
26		rice food	45		11,914.40							other org	40 lbs/ea in system	USEPA	11,914.40	5.96	
		pallet return - 3/wk				240.00						paper	5 lbs/ream	USEPA	240.00	0.12	
		paper reuse - scratch				120.00						paper	1.1 lbs/sm box	USEPA	120.00	0.06	
		OCC reuse				5,720.00						paper	1.1 lbs/sm box	USEPA	5,720.00	2.86	
		OCC displaced by tote use				5,720.00						paper	1.1 lbs/sm box	USEPA	5,720.00	2.86	
		OCC displaced by tote use				114.40						paper	2.2 lbs/med box	USEPA	114.40	0.06	
27		street sweeping/maint	17		80.00	27,320.00						paper	363.5 lbs/cy	USEPA	27,400.00	13.70	
		paper recycling				320.00									320.00	0.16	

Board Meeting January 14-15, 2003

Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source Reduction	Recycling	SR	Metals	Year Restricted Pym Began or Agor Mtn/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year
27		metal recycling		80.00	27,000.00		444889				metal	906 lbs/cy	USEPA	80.00	0.04
		pallet SR - 1/mo									other org	40 lbs/ea in system	USEPA	27,000.00	13.50
28		church/school	94	585.30	1,820.00						other	75 lbs/tire	Business	2,405.30	1.20
		newspaper recycling			1,820.00						paper	35 lbs/12"	USEPA	1,820.00	0.91
		OCC reuse		465.30							paper	1.1 lbs/sm box	USEPA	465.30	0.23
		Donated clothing		120.00							other org	10 lbs/mo	Business	120.00	0.06
29		fast food	20	420.00	44,272.00						paper	1.1 lbs/ea	USEPA	44,892.00	22.36
		OCC reuse			11,440.00						other org	57 lbs/cf	USEPA	11,440.00	5.72
		grease recycling			32,832.00						other org	40 lbs/ea in system	USEPA	32,832.00	16.42
		pallet return - 2-3 @ 2x/wk		420.00							other org		USEPA	420.00	0.21
30		logistics distribution and storage	70	16,025.00	6,000.00						paper	500 lbs/bale	Business	22,025.00	11.01
		OCC recycle			6,000.00						paper	40 lbs/ea in system	USEPA	6,000.00	3.00
		pallet SR - 200 daily		16,000.00							other org	40 lbs/ea in system	USEPA	16,000.00	8.00
		toner cartridge return		25.00							other	2.5 lbs/each	USEPA	25.00	0.01
31		restaurant	53		13,000.00						paper	250 lbs/cy	Business	13,000.00	6.50
		OCC recycling			5,840.00						paper	50 lbs/cu yard	USEPA	6,639.98	3.32
32		family rec club	50	799.99	5,720.00						paper	1.1 lbs/sm box	USEPA	5,720.00	2.96
		OCC reuse			120.00						other org	40 lbs/pallet	USEPA	120.00	0.06
		donated clothing		799.99							other org	225 lbs/cy	Tellis	799.99	0.40
33		service station equip. sales	110	1,802.88	5,419.68						paper	25.41 lbs/33 gal	USEPA	7,222.56	3.61
		recycle paper			1,219.68						paper	125 lbs @ 2x/mo	Business	1,219.68	0.61
		OCC recycling			3,000.00						paper	50.08 lbs/cy	Tellis	3,000.00	1.50
		OCC reuse		1,802.88							metal	906 lbs/cy	USEPA	1,802.88	0.90
		scrap metal recycle			1,200.00						other org	40 lbs/pallet	USEPA	1,200.00	0.60
34		restaurant	6		5,520.60						paper	2.2 lbs/sm box	USEPA	5,520.60	2.76
		OCC recycling - s			600.60						other org	410 lbs/55 gal	USEPA	4,920.00	2.46
35		locked facility	155	79,455.90	300.00						paper	25 lbs/box	Business	79,755.90	39.38
		security shredding co. recycles			300.00						other	8 oz/ea (wet)	Business	300.00	0.15
36		designer closets mfg.	92	25,558.00							paper	80% of 20-30 lbs/wk	Business	25,558.00	12.78
		OCC reuse		4,576.00							paper	5 lbs/ream	USEPA	4,576.00	2.29
		paper SR - redesign production job		182.00							paper	200 lbs/2-3 mo	Business	960.00	0.48
		at extruder									other org	40 lbs/pallet	USEPA	20,800.00	10.40
37		rebuilds gas nozzles & recovery sys	80		5,460.00						paper	1.1 lbs/sm box	USEPA	5,460.00	2.73
		OCC recycling - s			660.00						metal	200 lbs/wk	Business	10,400.00	5.20
		metal recycling									other org	40 lbs/pallet	USEPA	4,800.00	2.40
38		wholesale fish	23	56,818.67	15,401.32						paper	25.41 lbs/33 gal	USEPA	72,219.98	36.11
		W/L recycling			1,321.32						paper	1.1 lbs/sm box	USEPA	1,321.32	0.66
		OCC recycling - s			11,440.00						paper	1.1 lbs/sm box	USEPA	11,440.00	5.72
		OCC reuse		5,338.67							paper	1.1 lbs/sm box	USEPA	5,338.67	2.67
		pallet recycling 5-6/mo			2,640.00						other org	40 lbs/pallet	USEPA	2,640.00	1.32
		OCC displaced by tote use		51,480.00							paper	1.1 lb/box displaced	USEPA	51,480.00	25.74
39		plastic mfg. - sheet, rod & tube	29	41,600.00	237.50									41,837.50	20.92

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn #	Activity Description	EMP #	Source	Reduction	Recycling	Metals	R	Year Restricted Pgrm Began or M/In/Ag	Inerts SR	Composting	Material Typ (category)	Conversion Factor (weight per count)	Source	per year	per year
		OCC recycling - s				100.00						paper	50 lbs/cy	USEPA	100.00	0.05
		paper recycling				137.50						paper	25 lbs/box	EcoTel Field Stud	137.50	0.07
		pallet reuse - 20/wk										other org	40 lbs/year	USEPA	41,600.00	20.80
40		rest. eqt. wholesale retail	7	1,693.60	5,200.00										6,893.60	3.45
		OCC reuse										paper	2.2 lbs/med box	USEPA	1,144.00	0.57
		OCC recycling - s				1,040.00						paper	4 lbs/lb box	USEPA	1,040.00	0.52
		WL reuse as packaging				300.00						paper	50 lbs/box	Business	300.00	0.15
		plastic bubble wrap reuse				249.60						plastic	1.5 lbs/33 gal	USEPA	249.60	0.12
		pallet recycling 2/wk				4,160.00						other org	40 lbs/pallet	USEPA	4,160.00	2.08
41		concrete	3	742.00	260.00										1,002.00	0.50
		reuse OCC										paper	2.2 lbs/med box	USEPA	572.00	0.29
		ONP recycling - s				260.00						paper	1 lb/ea	EcoTel Field Stud	260.00	0.13
		toner cartridge return				10.00						other	2.5 lbs/ea	USEPA	10.00	0.01
		pallet SR - 2/wk				160.00						other org	40 lbs/ea in system	USEPA	160.00	0.08
42		die casting	13	6,896.00											6,896.00	3.35
		OCC reuse				5,096.00						paper	0.5, 1.0 & 1.1 lb/box	Business	5,096.00	2.55
		pallet SR - 20/wk				1,600.00						other org	40 lbs/ea in system	USEPA	1,600.00	0.80
43		sewing factory/WLF	30		300.00										300.00	0.15
		OCC recycling				300.00						paper	25 lbs/mo	Business	300.00	0.15
44		lumber yard/ bldg matl	50	480.00	108,000.00										108,480.00	54.24
		MP recycling				1,296.00						paper	700 lbs/mo	USEPA	1,296.00	0.65
		sent to metal recycler										metal	75 lbs /mo x12	Business	176.40	0.09
		sawdust recycling				60,000.00						other org	375 lbs/cy	Tellus	60,000.00	30.00
		wood scrap to pallet makers				48,000.00						other org	24 TPY	Business	48,000.00	24.00
		pallet return 5-6/mo				480.00						other org	40 lbs/ea in system	USEPA	480.00	0.24
45		property mgmt	23	2,400.00											2,400.00	1.20
		paper reports now on computer				2,400.00						paper	5 lbs/ream	USEPA	2,400.00	1.20
		OCC recycling				7,800.00						paper	150 lbs/wk	Business	7,800.00	3.90
46		dist. Whse / metal templates	9	2,400.00	9,600.00										13,170.00	6.59
		pallet return - 20-30/wk				2,400.00						other org	40 lbs/ea in system	USEPA	2,400.00	1.20
		pallet recycling - 20/mo				9,600.00						other org	40 lbs/pallet	USEPA	9,600.00	4.80
		metal recycling - steel & aluminum scrap				9,600.00						metal	4280 lbs 2x's yr	Business	1,170.00	0.59
47		offset printer	6	2,400.00	24,232.00										26,632.00	13.32
		paper recycling				20,800.00						paper	800 lbs / every 2 wks	Business	20,800.00	10.40
		OCC recycling - s				3,432.00						paper	2.2 lbs/med box	USEPA	3,432.00	1.72
		pallets returned - 30/mo				2,400.00						other org	40 lbs/ea in system	USEPA	2,400.00	1.20
		metal recycling										metal	500 lbs/ yr	Business		
48		plastic recycling	4		30,000.00										30,000.00	15.00
		OCC recycling				6,000.00						paper	400-500 lbs/wk	Business	6,000.00	3.00
		pallet recycling - 50/mo				24,000.00						other org	40 lbs/pallet	USEPA	24,000.00	12.00
49		restaurant / beer wine only	30	286.40	4,004.00										4,300.40	2.15
		OCC recycling - s				4,004.00						paper	1.1 lb/sm box	USEPA	4,004.00	2.00
		plastic bucket reuse				286.40						plastic	1.91 lb/bucket	USEPA	286.40	0.15
50		commercial loans	7	457.60											457.60	0.23
		OCC reuse				457.60						paper	2.2 lbs/med box	USEPA	457.60	0.23
		shredded security recycling				508.20						paper	8 lbs/33 gallon	USEPA	508.20	0.25
51		bank	10		1,737.32										1,737.32	0.87
		shredded security recycling				416.00						paper	8 lbs/33 gallon	USEPA	416.00	0.21
		mixed paper recycling				1,321.32						paper	25.41 lbs/33gallon	USEPA	1,321.32	0.66
52		custom upholstery	2		173.33										173.33	0.09

Board Meeting January 14-15, 2003

Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Recycling	SR	Metals R	Restricted Pgm Began or Mtn/Ag	Inerts Ag	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year	
53	grocery	foam scraps recycling	35	31,360.00	561,300.00	173.33	-	-	-	257,860.00	plastic	10 lbs/3 wks	Business	870,620.00	173.33	0.09
		Paper Recycling			515,720.00						paper	257.86 tons/yr	recycler	515,720.00		435.26
		Bones/Fat Rendering			54,280.00						other org	27.14 tons/yr	recycler	54,280.00		27.14
		Film Plastic Recycling			11,300.00						plastic	5.65 tons/yr	recycler	11,300.00		5.65
		food composting								257,860.00	other org	128.93 tons/yr	recycler	257,860.00		128.93
		Plastic Tote Replace Cardboard Bot		9,360.00							paper	1.1 lbs./sm. Box	USEPA	9,360.00		4.68
		Plastic Pallet Use		6,000.00							other org	40 lbs./pallet	USEPA	6,000.00		3.00
		Wood Pallet Reuse		16,000.00							other org	40 lbs./pallet	USEPA	16,000.00		8.00
54	food services	Newsper S/R	2	758.33	-	-	-	-	-	-	paper	35 lbs./12" stack	USEPA	758.33	0.38	0.38
55	liquor store	OCC recycling - s	6	800.00	4,680.00	-	-	0	-	-	paper	2.2 lbs./med box	USEPA	4,680.00	2.74	2.74
		pallet return - 10/wk			4,680.00						other org	40 lbs/ea in system	USEPA	800.00		0.40
56	machine supply for construction		7	NO QUANTIFIABLE ACTIVITIES												
57	hotel / hotel		11	NO QUANTIFIABLE ACTIVITIES												
58	church	OCC reuse	7	26.40	647.92	-	-	0	-	-	paper	1.1 lbs./sm box	USEPA	674.32		0.34
		OP recycling			120.00						paper	5 lbs./ream	USEPA	120.00		0.01
		MP recycling			439.92						paper	25.41 lbs/33gallon	USEPA	439.92		0.06
		Newspaper recycling			52.00						paper	1 lb/ea	EcoTel Field Stud	52.00		0.22
		Magazine recycling			36.00						paper	3 lbs/10 units	USEPA	36.00		0.03
59	body shop	OCC recycling	12	760.00	109.20	-	-	0	-	-	paper	2.2 lbs./med box	USEPA	869.20		0.44
		glass windshields reuse			109.20						glass	30 lbs/ea	Field estimate	540.00		0.05
		scrap metal recycle		540.00							metal	11/55gal/wk x 226.50	USEPA	129,558.00		0.27
		tire retreat		240.00							other	20 lbs/ea	USEPA	240.00		0.12
60	bowling alley / restaurant	toner cartridge return	32	3,960.70	-	-	-	0	-	-	other	2.5 lbs/ea	USEPA	3,960.70		1.98
		duplex copying		5.00							paper	5 lbs/ream	USEPA	5.00		0.00
		donate bowling pins to police		286.00							other	3 lbs 6 oz	Business	286.00		0.14
		emp takes food scrap home 4 pels		1,012.50							other org	30 lbs/33 gal	EcoTel Field Stud	1,012.50		0.51
61	car dealer	OCC recycling	140	2,657.20	20,622.76	-	-	0	-	-	paper	50 lbs/cy	USEPA	2,657.20		1.33
		MP recycling (weekly)			7,800.00						paper	363.5 lbs/cy	USEPA	7,800.00		10.26
		MP recycling (end of year)			9,451.26						paper	363.5 lbs/cy	USEPA	9,451.26		3.90
62	medical plaza	OCC recycling - s	9	3,271.50	6,526.58	-	-	0	-	-	paper	16.64 lbs	Tellus	3,271.50		4.73
		security shredding recycled			6,526.58						paper	8 lbs/33 gallon	USEPA	6,526.58		1.64
		electro-plating & polishing	27	15,344.24	469.62	-	-	0	-	-	paper	16.64 lbs	USEPA	469.62		3.26
		OCC recycling			469.62						paper	50.08 lb/cy	Tellus	39,604.24		6,056.96
		MP recycling			3,906.24						paper	363.50 lbs/cy	USEPA	3,906.24		0.23
		scrap metal recycling			9,438.00						metal	806 lbs/cy	USEPA	9,438.00		19.75
		pallet return - 25/wk			2,000.00					24,160.00	20% increase since 1990	40 lbs/ea in system	USEPA	2,000.00		1.95
64	self storage	OCC recycling - lg box	25	855.44	456.40	-	-	0	-	-	paper	4 lbs./lg box	USEPA	1,311.84		4.72
		OCC recycling - med box			288.00						paper	2.2 lbs./med box	USEPA	288.00		12.08
		duplex & scratch			158.40						paper	5 lbs/ream	USEPA	158.40		1.00
		plastic bucket reuse			21.24						plastic	1.9 lbs/ea	USEPA	21.24		0.66
		pallets to employees - 20/yr			34.20						other org	40 lbs/pallet	USEPA	34.20		0.14
					800.00						other org	40 lbs/pallet	USEPA	800.00		0.40

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn #	Activity Description	EMP #	Diversion (weight in pounds)			Metals			Restricted Prgm M/in/Ag	Inerts SR	Composting R	Material Type (category)	Conversion Factor (weight per count)	Source	Year	
				Reduction	Recycling	SR	SR	R	R							per year	per year
65		toner cartridge return			10.00								other org	2.5 lbs/ea	USEPA	10.00	0.01
		full production bakery	80	30,720.00	208,000.00					0						238,720.00	119.36
		OCC recycling			208,000.00								paper	500 lbs/bale	Field estimate	208,000.00	104.00
		pallet return - 20/wk		1,600.00									other org	40 lbs/ea in system	USEPA	1,600.00	0.80
		food donations		29,120.00									other org	560 lbs/wk	Business	29,120.00	14.56
66		sales service tire	7		87,100.00			986.73		0						88,086.73	44.04
		OCC recycling			3,900.00								paper	50 lbs/cy	USEPA	3,900.00	1.95
		metal recycling											metal	908 lbs/cy	USEPA	986.73	0.49
		tire recycling			83,200.00			986.73					other	20 lbs/ea	USEPA	83,200.00	41.60
67		thrift store	15	500.16	600.32											1,100.48	0.55
		OCC recycling			200.32								paper	50.08 lb/cy	USEPA	200.32	0.10
		OCC reuse		100.16									paper	50.08 lb/cy	USEPA	100.16	0.05
		pallet recycling			400.00								other org	40 lbs/pallet	USEPA	400.00	0.20
		pallet reuse		400.00									other org	40 lbs/ea in system	USEPA	400.00	0.20
68		furniture mfg	7	977.60												977.60	0.49
		OCC Reuse		457.60									paper	2.2 lbs/med box	USEPA	457.60	0.23
		WL Reuse		520.00									paper	5 lbs/ream	USEPA	520.00	0.26
69		video	13	550.00						0						550.00	0.28
		OCC reuse		550.00									paper	1.1 lbs/sm box	USEPA	550.00	0.28
70		landscaping	3							0		104,800.00		ton/wk	Business	104,800.00	52.40
		greenwaste recycling										104,800.00	yardwaste			104,800.00	52.40
71		retail home improvement	120	120,030.00	234,000.00					0						354,030.00	177.02
		OCC recycling			26,000.00								paper	1/2 T every other wk	Business	26,000.00	13.00
		pallet return - 3000/wk		120,000.00									other org	40 lbs/ea in system	USEPA	120,000.00	60.00
		pallet recycling			208,000.00								other org	40 lbs/pallet	USEPA	208,000.00	104.00
		toner cartridge return		30.00									other	2.5 lbs/ea	USEPA	30.00	0.02
72		cafeteria	73	1,200.00	50,528.40					0						51,728.40	25.86
		OCC recycling s			50,528.40								paper	16.64 lbs/cy	USEPA	50,528.40	25.26
		pallet SR - 10-15/day		1,200.00									other org	40 lbs/ea in system	USEPA	1,200.00	0.60
		grease recycling											other org	57 lbs/cu.ft	FEACO	24,624.00	12.31
73		foods dist storage & dist	24	1,764.00	13,714.29					0						15,478.29	7.74
		OCC reuse		1,716.00									paper	1.1 lbs/sm box	USEPA	1,716.00	0.86
		WL reuse		48.00									paper	12" / 12 lbs	USEPA	48.00	0.02
		pallet recycling - 100/3-4mo			13,714.29								other org	40 lbs/pallet	USEPA	13,714.29	6.86
74		service hair cutting scissors	8	983.00						0						983.00	0.49
		OCC reuse		429.00									paper	1.1 lbs/sm box	USEPA	429.00	0.21
		duplexing		384.00									paper	5 lbs/ream	USEPA	384.00	0.19
		pallet SR - 4/yr		160.00									other org	40 lbs/pallet	USEPA	160.00	0.08
		toner cartridge return		10.00									other	2.5 lbs/ea	USEPA	10.00	0.01
75		aerospace parts	60	5,178.50						0						5,178.50	2.59
		OCC reuse		440.00									paper	2.2 lbs/med box	USEPA	440.00	0.22
		shredded paper		416.00									paper	8 lbs/33gal	USEPA	416.00	0.21
		pallet reuse - 2/wk in & out		4,160.00									other org	40 lbs/pallet	USEPA	4,160.00	2.08
		plastic drum reuse		150.00									plastic	15 lbs/55 gal drum	EcoTel Field Studi	150.00	0.08
		toner cartridge return		12.50									other	2.5 lbs/ea	USEPA	12.50	0.01
76		card store / gifts	25	1,001.00						0						1,001.00	0.50
		OCC reuse - sm		715.00									paper	1.1 lbs/sm box	USEPA	715.00	0.36
		paper reuse		104.00									paper	2 lbs /wk	Business	104.00	0.05
		polystyrene pkg reuse		182.00									plastic reuse	3.5 lbs / week	Business	182.00	0.09

Board Meeting January 14-15, 2003

Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF	Bsn	Activity Description	EMP	Source	Reduction	Recycling	Metals	Year	Restricted	Inerts	Material Type	Conversion Factor	Source	per year	in tons
#	Type	Pkg. Material & equip.	#					Min/Ag	SR	R	(category)	(weight per count)			
77	mg	OCC recycling	11		213,200.00			0			paper	100 lbs / wk	Business	213,200.00	106.60
		paper recycling - 100/wk			5,200.00						other org	40 lbs/pallet	USEPA	5,200.00	2.60
78	mg	less 1d cardboard reuse	15		1,413.00			0			paper	25 lbs / wk	USEPA	1,413.00	0.71
		less 1d newspaper reuse			1,170.00						paper	5 lbs /wk	USEPA	1,170.00	0.59
		metal drums returned to supplier			234.00						metal	50 lbs/ 4x yr	Ecotai Field Stud	234.00	0.12
		less 1d loner cartridge return			9.00						other	2.5 lbs/ea	USEPA	9.00	0.00
79	sign	maker / graphics	2	NO R & SR ACTIVITIES				0						34,515.09	17.26
80	dining	OCC reuse	65		20,340.00	13,114.29	1,060.80				paper	2.2 lbs/med box	USEPA	4,800.00	2.40
		office paper recycling			1,440.00						paper	4 lbs/lrg box	USEPA	1,440.00	0.72
		metal buckets replaced by 55 gal drums			1,114.29			2000			paper	150 lbs/6-8 wks	Business	1,114.29	0.56
		polyurethane reuse			4,800.00						metal	2.21 lbs/ea	USEPA	1,060.80	0.53
		scrap wood donated			6,000.00						plastic	400 lbs / x12 mos	Business	4,800.00	2.40
		leather scraps			2,200.00						other org	40 lbs/pallet	USEPA	7,200.00	3.60
		reduced pkg by using scraps			1,100.00						other org	3 tons/yr	Business	6,000.00	3.00
81	clothing	/ food / shoes	75		676.00	3,653.00		0			other org	1100 lbs / every 6 mos	Business	2,200.00	1.10
		OCC reuse			572.00						other org	550 lbs / every 6 mos	Business	1,100.00	0.55
		OCC recycling			1,716.00						plastic	400 lbs/mo	Business	4,800.00	2.40
		grease recycling			1,937.00						paper	2.2 lbs/med box	USEPA	572.00	0.29
		rigid foam reuse			104.00						paper	2.2 lbs/med box	USEPA	1,716.00	0.86
82	retail	sportswear	3		286.00			0			other org	7.45 lbs/gal	USEPA	1,937.00	0.97
		OCC recycling - sm			286.00						plastic	2 lbs/wk	Business	104.00	0.05
		OCC recycling - med			572.00						paper	1.1 lbs/sm box	USEPA	286.00	0.14
83	apparel	distribution	240		24,000.00			0			paper	2.2 lbs/med box	USEPA	572.00	0.29
		OCC recycling			24,000.00						paper	5 lbs/ream	USEPA	260.00	0.13
84	lumber	yard	20	NO QUANTIFIABLE ACTIVITIES							paper	1 ton/mo	Business	24,000.00	12.00
85	imported	furniture	1	NO QUANTIFIABLE ACTIVITIES				0			paper	50 lbs/cubic yard	USEPA	4,768.66	2.36
86	hospital	OCC recycling	175		3,900.00						paper	8 lbs/33 gallons	USEPA	3,900.00	1.95
		Shredded Paper Recycling			208.00						paper	0.77 lbs/gallon	USEPA	660.66	0.33
87	paper	retail	4		1,600.00			0			paper	40 lbs/ea in system	USEPA	1,600.00	0.80
		paper SR - 20/wk			1,600.00						other org	40 lbs/ea in system	USEPA	1,600.00	0.80
88	furniture	store	4		7,800.00						paper	50 lbs/cubic yard	USEPA	7,800.00	3.90
		OCC recycling - s			7,800.00						paper	2.2 & 4 lbs/box	USEPA	5,709.60	2.85
89	textile	mill	3.5		6,189.60			0			paper	5 lbs/ every 2mos	USEPA	30.00	0.02
		OCC recycling - s			30.00						other org	40 lbs/ea in system	USEPA	480.00	0.24
		office paper reused for scratch			30.00						paper	2.2 lbs/med box	USEPA	5,720.00	2.86
		paper recycling 1/mo			480.00						paper	30 lbs/ea	Business	210.00	0.11
90	auto	parts store & cell phones	62		5,930.00	41,600.00		0			metal	2.5 lbs/ea	Business		
		OCC reuse			5,720.00						other org	40 lbs/pallet	USEPA	41,600.00	20.80
		brakes & cores recycling													
		pallet recycling - 20-25/wk			41,600.00										

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source	Reduction			Recycling			Metals			R	Pgrm Began or Agor			Composting	Material Type (category)	Conversion Factor (weight per count)	Source	in Pounds		in Tons	
					#							SR				Mn/Ag	SR					R	per year	per year	
91		auto parts store	42		30,800.00			12,343.72							0				metal	3 @1200 #/wk	Business	43,143.72		21.57	
		core recycling																	other org	40 lbs/ea in system	USEPA	-		-	
		pallet return - 8/wk			640.00														other org	40 lbs/pallet	USEPA	640.00		0.32	
		pallet reuse - 7/wk back w/load			14,560.00														paper	50.08 lbs/cy	Tellus	14,560.00		7.28	
		OCC recycling						12,343.72											paper	1.5 lbs/box displaced	field estimate	12,343.72		6.17	
		toter use / replacing med boxes			7,800.00														paper	5@30# gaylords/wk	Business	7,800.00		3.90	
92		auto parts store	6		3,786.00			572.00							0				paper	1.1 lbs/sm box	USEPA	4,368.00		2.18	
		OCC reuse			1,430.00														paper	2.2 lbs/med box	USEPA	1,430.00		0.72	
		OCC recycling						572.00											paper	40 lbs/ea in system	USEPA	572.00		0.29	
		pallet return - 8/wk			640.00														other org	40 lbs/ea in system	USEPA	640.00		0.32	
		toner cartridge return			10.00														other	2.5 lbs/ea	USEPA	10.00		0.01	
		toter use / replacing med boxes			1,716.00														paper	15 /wk x 2.2 lbs	USEPA	1,716.00		0.86	
93		convalescent hospital	95		98.80														paper	5 lbs./ream	USEPA	98.80		0.05	
		duplexing & scratch paper reuse			98.80																	98.80		0.05	
94		cutting & sewing	12		1,600.00			5,200.00							0				other org	40 lbs/ea in system	USEPA	1,600.00		0.80	
		pallet return - 8/wk			1,600.00														paper	100 lbs/wk	Business	5,200.00		2.60	
		OCC recycling - s																							
95		transmission repair	3												0				metal	200-300 lbs/mo	Business	3,000.00		1.50	
		metal parts																							
96		distribution center	48		7,994.00			3,328,000.00											paper	400 lbs./cubic yard	USEPA	3,328,000.00		1,664.00	
		ONP recycling, loose						3,328,000.00											paper	20 lbs./week	Business	1,040.00		0.52	
		OCC reuse			1,040.00																				
		plastic ONP transport box repair			130.00														plastic	ONP box front	Business	130.00		0.07	
		uses containers vs. pallets 64/wk			2,560.00														other org	40 lbs/ea in system	USEPA	2,560.00		1.28	
		uses container to avoid stretch & tie			4,264.00														plastic	3.63 lbs/33 gal	Tellus	4,264.00		2.13	
97		machine shop	63		24,315.08			1,408.40														25,723.48		12.86	
		wood reuse (to return leased machi			11,880.00														other org	329.53 lbs/cy	Tellus	11,880.00		5.94	
		OCC reuse - sm			572.00														paper	1.1 lbs/sm box	USEPA	572.00		0.29	
		OCC reuse - med			11,863.08														paper	2.2 lbs/med box	USEPA	11,863.08		5.93	
		Shredded Paper Recycling						390.00											paper	8 lbs/33 gallons	USEPA	390.00		0.20	
		WL recycling						1,016.40											paper	25.41 lbs/33 gal	USEPA	1,016.40		0.51	
98		door mfg	8		2,400.00			2,688.00														5,088.00		2.54	
		OCC recycling						2,400.00											paper	200 lbs / mo	Business	2,400.00		1.20	
		pallet return - 30/wk			2,400.00														other org	40 lbs/ea in system	USEPA	2,400.00		1.20	
		shredded paper recycling						288.00											paper	8 lbs/33 gal	USEPA	288.00		0.14	
99		restaurant	30												0				metal	.07 lbs each	Business	91.00		0.05	
		pie tin reuse																				91.00		0.05	
100		discount store	12		2,800.00			26,500.00											paper	500 lbs./bale	Business	29,300.00		14.65	
		OCC recycling						26,000.00											paper	5 lbs./ream	USEPA	26,000.00		13.00	
		CPO recycling						500.00											paper	40 lbs/ea in system	USEPA	500.00		0.25	
		pallet return & reuse - 35/wk			2,800.00														other org	40 lbs/ea in system	USEPA	2,800.00		1.40	
101		membership grocery & food court	115		3,911.00			535,888.00							0				paper	700 lb/bale	USEPA	538,679.00		269.44	
		OCC recycling						510,300.00											other org	7.45 lb/gal	USEPA	510,300.00		255.15	
		grease recycling						25,568.00											other org	40 lbs/ea in system	USEPA	25,568.00		12.78	
		pallet return - 20-30/wk			2,400.00														other org	40 lbs/ea in system	USEPA	2,400.00		1.20	
		paper reuse			540.00														paper	500-1000 / mo@0.06lbs	Business	540.00		0.27	
		bulletins double-sided			45.00														paper	5 lbs/ream	USEPA	45.00		0.02	
		invoice duplexed			26.00														paper	5 lbs/ream	USEPA	26.00		0.01	

Board Meeting January 14-15, 2003

Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF	Bsn	Activity Description	EMP	Source	Reduction	Recycling	SR	Metals	R	Year	Restricted	Inerts	Composting	Material Type	Conversion Factor	Source	per year	per year
#	Type		#							Mtr/Ag	Aggr Ag	Aggr Ag		(category)	(weight per count)		in Pounds	in Pounds
Diversions (weight in pounds)																		
102	furniture sales - retail		4		854.45	6,240.00				0							7,094.45	3,351
	OCC recycling					6,240.00								paper	4 lbs/ lg box	USEPA	6,240.00	3.12
	OCC reuse				624.00									paper	4 lbs/ lg box	USEPA	624.00	0.31
	polystyrene reuse				184.85									plastic	21.76 lbs / cu yd	Tellus	184.85	0.09
	5-gal. buckets reused				45.60									plastic	1.9 lbs/lea	USEPA	45.60	0.02
103	fast food restaurant		23		288.00	18,752.96				0							19,040.96	9.52
	10% lg OCC recycling					14,062.46								paper	50.08 lbs / cu yd	Tellus	14,062.46	7.03
	10% lg pallet return - 4/wk				288.00									other org	40 lbs/lea in system	USEPA	288.00	0.14
	10% lg grease recycling					4,689.90								other org	7.45 lb/gal	USEPA	4,689.90	2.34
104	fast food		33		13,072.00	15,600.00											28,672.00	14.34
	OCC recycling					15,600.00								paper	50 lbs/cubic yard	USEPA	15,600.00	7.80
	Food Donation				150.00									other org	12.5 lbs /month	Business	150.00	0.08
	paper towels replaced by hand dye				12,922.00									paper	14.2 lbs /33 gallon	Ecotel Field Stud	12,922.00	6.46
105	hospital		525			113,412.00				0							113,412.00	56.71
	paper recycling					113,412.00								paper	363.50 lbs/ cu yd	USEPA	113,412.00	56.71
106	wood chairs mfg		20		180.94					0							180.94	0.09
	5% les OCC reuse				52.00									paper	4 lbs/ig box	USEPA	52.00	0.03
	5% les duplexing & scratch paper reuse				1.95									paper	39 lbs/ yr	Business	1.95	0.00
	5% les pallet return - 20/wk				80.00									other org	40 lbs/lea in system	USEPA	80.00	0.04
	5% les plastic bag reuse				24.96									plastic	22.55 lb/cy	Tellus	24.96	0.01
	5% les 5-gal. buckets reused				4.94									plastic	1.9 lb/bucket	USEPA	4.94	0.00
	5% les foam peanuts reused				4.09									plastic	8.62 lbs / cu yd	Tellus	4.09	0.00
	5% les bubble wrap reused				7.80									plastic	3 lbs / 33 gal	USEPA	7.80	0.00
	5% les foam reused				5.20									plastic	2 lbs /wk	Business	5.20	0.00
107	photocopying services		2		39.60	832.00											871.60	0.44
	paper recycling					260.00								paper	5 lbs /ream	USEPA	260.00	0.13
	OCC recycling - s				39.60	572.00								paper	1.1 lbs/srn box	USEPA	572.00	0.29
	OCC reuse													paper	1.1 lbs/srn box	USEPA	39.60	0.02
108	furniture sales - retail		20		325.00	6,720.00				0							7,045.00	3.52
	OCC recycling					6,240.00								paper	4 lb/ig box	USEPA	6,240.00	3.12
	plastic bag reuse				325.00									plastic	2 oz/bag	field estimate	325.00	0.16
	pallet recycling - 1/mo					480.00								other org	40 lbs/pallet	USEPA	480.00	0.24
109	machine tool repair		4		200.00	2.50				0							202.50	0.10
	metal recycling													metal	50 lbs / yr	Business	50.00	0.03
	pallet return - 5/yr				200.00									other org	40 lbs/lea in system	USEPA	200.00	0.10
	toner cartridge return					2.50								other	2.5 lbs / each	USEPA	2.50	0.00
110	hotel		26		109.20					0							109.20	0.05
	OCC reuse				109.20									paper	2.2 lbs/med box	USEPA	109.20	0.05
111	hotel		7		156.00					0							156.00	0.08
	paper reuse				36.00									paper	3 lbs / mo	Business	36.00	0.02
	clothing left behind donated				120.00									other org	10 lbs / mo	Business	120.00	0.06
112	Food Manufacturer		450		20,023,450.00	86,400.00											20,109,450.00	10,054.73
	OCC reuse				202,800.00	86,400.00								paper	5 lbs/ea huge box	Business	202,800.00	101.40
	OCC recycle													paper	500 lb/ea bale	Bsn Wt/Avg Wt Tl	86,400.00	43.20
	Pallet repair - 48"x40"				208,000.00									other org	40 lb/ea	USEPA	208,000.00	104.00
	Pallet reuse - 36"x36"				36,000.00									other org	30 lb/ea	USEPA	36,000.00	18.00
	Pallet reuse - 48"x40"				326,400.00									other org	40 lb/ea	USEPA	326,400.00	163.20
	Food donation / food bank - under w				6,240.00									other org	2 lb/ea case	Business	6,240.00	3.12
	Food - reused / pig farm				3,600,000.00									other org	150.0 tons/ea month	Bsn Avg Wt Tlx	3,600,000.00	1,800.00
	WL reduction / on-line time cards				234.00									paper	0.01 lb/ea - low	USEPA	234.00	0.12

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source	Reduction	Recycling	Metals	SR	R	Year Restricted Prgm Began or M/n/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year
		WL reduction / modem faxing - no p			3,276.00									0.01 lb/ea	USEPA	3,276.00	1.64
		Misc. office - desks & chairs / liquids			500.00									5000+ lb/past 10 years	Business	500.00	0.25
		OCC reduction / shipping box holds			15,600,000.00									0.3 lb/box savings	Business	15,600,000.00	7,800.00
		Stretch wrap ml. & size reduction @			39,600.00									33% x 50 lb/roll savings	Business	39,600.00	19.80
113	casino		700		1,811.38	46,654.35		780.00		0						49,245.73	24.62
		OCC recycling				26,000.00								25 tons / wk	Business	26,000.00	13.00
		WL recycling				5,200.00								100 lbs / wk	Business	5,200.00	2.60
		GPO recycling				9,382.92								1.8 X WL total	Business	9,382.92	4.69
		paper savings from bulletin board us			145.60									5 lbs/ream	USEPA	145.60	0.07
		time cards on computer (swipe card			1,425.78									25 lbs/card	actual weight	1,425.78	0.71
		grease recycling				6,071.43								410 lbs/55 gal	USEPA	6,071.43	3.04
		pallet return - 3/wk			240.00									40 lbs/ea in system	USEPA	240.00	0.12
		silver catcher - prevents utensil loss w/ food												15 doz/ week x 1 lb	EcoTel Field Stud	780.00	0.39
114	aerospace/aeronautics		15		1,200.00	1,300.00		780.00		new since 1990				400 lbs/ea 2 in system	Business	2,500.00	1.25
		wood crates reused 2/yr			800.00									80 lbs./extra large pallet in system	Business	160.00	0.08
		oversize pallets reuse 1/mo			160.00									20 lbs./month	Business	240.00	0.12
		coffee grounds home compost			240.00									25 lbs./week	Business	1,300.00	0.65
115	retail auto		14			1,300.00										17,212.00	8.61
		pallet recycling - 8/wk - s				17,212.00								8 lbs./pallet	USEPA	16,640.00	8.32
		OCC recycling - s				572.00								1.1 lbs/sm box	USEPA	572.00	0.29
116	glass dist/mfg		19		4,996.00	12,480.00				0				50 lbs/cy	USEPA	17,476.00	8.74
		OCC recycling				5,200.00								100 lbs / wk	Business	5,200.00	2.60
		glass recycling				5,200.00								40 lbs/ea in system	USEPA	160.00	0.08
		pallets reused			160.00									40 lbs/pallet	USEPA	2,080.00	1.04
		pallet recycling - s				2,080.00								8 lbs/33gal	USEPA	4,576.00	2.29
		shredded paper reuse for pkg			4,576.00									1.5 lbs/3 gal	USEPA	260.00	0.13
		ps peanuts reuse			260.00											79,244.00	39.62
117	supermarket		70		40,000.00	39,244.00				0				16,000 lb/yr	Bsn Avg Wt Tix	40,000.00	20.00
		pallet returned to supplier			40,000.00									40 lbs/ea in system	USEPA	16,000.00	8.00
		OCC recycling				16,000.00								7.45lbs/gal	USEPA	23,244.00	11.62
		grease recycling				23,244.00										32,474.00	16.24
118	roofing supplies		22		32,474.00					0				5 lbs/ream	USEPA	24.00	0.01
		paper reused for scratch			24.00									40 lbs/ea in system	USEPA	32,000.00	16.00
		pallet return - 200/wk			32,000.00									450 lbs/ yr	Business	450.00	0.23
		misc. roofing mat'l donated			450.00											112,203.00	56.10
119	nails, thread, needle mfg & dist		25		67,360.00	24,843.00				0				100 lbs / wk	Business	5,460.00	2.73
		5% mtl reuse paper pkg				6,825.00								1 lb/ea	field estimate	6,825.00	3.41
		5% mtl OCC tube recycling				18,018.00								1.1 lb/ea sm. box	USEPA	18,018.00	9.01
		5% mtl OCC boxes												40 lbs/ea in system	USEPA	76,440.00	38.22
		5% mtl pallet return - 35/wk			76,440.00									75 lbs /wk	Business	4,095.00	2.05
		5% mtl packaging reuse-paper			4,095.00									25 lbs wk	Business	1,365.00	0.68
		5% mtl packaging reuse-plastic			1,365.00												
120	Shoe Store		5							0							
		Manufacture of Nuts & Bolts	285		4,000.00					0				40 lbs/ea in system	USEPA	4,780.00	2.39
121	Manufacture of Nuts & Bolts				4,000.00					0				130 lbs/55 gal.	Business	780.00	0.39
		Pallet return @ 50/wk			4,000.00											7,697.00	3.85
122	Machine Shop - Aerospace		6		780.00	1,892.00		2,625.00		0				2.2 lb/ea med. box	USEPA	572.00	0.29
		Metal Scrap recycling															
		OCC recycling - s				572.00											

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Recycling	SR	Metals R	Year Restricted Mtn/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year
		Metal Scrap recycling					2,400.00	1993			metal	200 lb/mo.	Bsn Avg Wt Tlx	2,400.00	1.20
		Metal drum reuse				2,625.00					metal	25 lb/ea	Ecotel Field Stud	2,625.00	1.31
		OCC reduction / Tote usage		780.00							paper	1.5 lb/ea box displaced	Ecotel Field Stud	780.00	0.39
		Paliet recycling - s @ 6/3 mo.			480.00						other org	40 lb/ea in system	USEPA	480.00	0.24
		Paliet recycling - s @ 10/3 mo.			600.00						other org	30 lb/ea in system	Ecotel Field Stud	600.00	0.30
		Paliet recycling - s @ 6/3 mo.			240.00						other org	20 lb/ea in system	Ecotel Field Stud	240.00	0.12
123		General Merchandise - retail	27	11,292.60	291,840.00			0			paper	2.2 lb/ea med. box	USEPA	303,132.60	151.57
		OCC reuse		1,430.00							paper	700 lb/bale	USEPA	1,430.00	0.72
		OCC recycling - 1			218,400.00						paper	700 lb/bale	USEPA	218,400.00	109.20
		OCC recycling - 2 - High Season			72,240.00						paper	700 lb/bale	USEPA	72,240.00	36.12
		WL recycling			1,200.00						paper	5 lbs/ream	USEPA	1,200.00	0.60
		WL reduction / scratch & duplex cop		117.00							paper	5 lbs/ream	USEPA	117.00	0.06
		Bubble Wrap reuse / packing		546.00							plastic	3 lb/33 gal.	USEPA	546.00	0.27
		Film Plastic reuse / packing		1,497.60							plastic	4.8 lb/33 gal.	Ecotel Field Stud	1,497.60	0.75
		Hanger reuse		6,552.00							plastic	1 lb/10 hangers	Ecotel Field Stud	6,552.00	3.28
		Other - donated goods		350.00							other	2x this in 2000	Ecotel Field Stud	350.00	0.18
		Paliet return @ 10/wk.		800.00							other org	40 lb/ea in system	USEPA	800.00	0.40
124		pizza restaurant	5		399.36			0			paper	16.64 lbs/cy	Tellus	399.36	0.20
		OCC recycling			399.36						paper	16.64 lbs/cy	Tellus	399.36	0.20
125		CFA & Paralegal	2		10.00	144.00					paper	8 lb/33 gal.	USEPA	144.00	0.06
		new in WL Shred - R @ 1.5 - 33 gal./mo				144.00					other	2.5 lb/ ea printer cart.	USEPA	144.00	0.07
		new in Toner cart. return @ 1/3 mo. s			10.00						other org	40 lb/ea in system	USEPA	325,885.70	162.94
126		Distribution / Storage of Household G	15	800.00	20,800.00		304,285.70	0			metal	25357.14 lb/mo.	Bsn Avg Wt Tlx	304,285.70	152.14
		Paliet return @ 10/wk.		800.00							paper	50 lb/mo.	USEPA	20,800.00	10.40
		Metall Scrap recycling					304,285.70	(?)			other	2.5 lb/ea printer cart.	USEPA	721.24	0.02
127		Structural Concrete - Contractors	55	30.00				0			other	2.5 lb/ea printer cart.	USEPA	721.24	0.02
		Toner cart. return		30.00							paper	35 lbs/12" stack	USEPA	606.84	0.30
128		photofinishing	1	114.40	606.84						paper	1.1 lbs/sm box	USEPA	114.40	0.06
		ONP recycling			606.84						paper	1.1 lbs/sm box	USEPA	114.40	0.06
		OCC reuse		114.40							paper	2.2 lbs/box	USEPA	22,800.00	11.40
129		Retail Store	3	800.00	22,800.00						paper	40 lbs/pallet	USEPA	800.00	0.40
		OCC boxes recycled		800.00							paper	40 lbs/pallet	USEPA	800.00	0.40
130		Knitting Company	11	12,832.00	9,252.80						paper	4 lb/ea lg. box	USEPA	832.00	0.42
		OCC reuse		832.00							paper	16.64 lb/cy - whole	Ecotel Field Stud	8,652.80	4.33
		OCC recycling - s			8,652.80						other org	40 lb/ea	USEPA	600.00	0.30
		Paliet recycling - s @ 15/yf.			600.00						other org	40 lbs/ea in system	USEPA	12,000.00	6.00
		new in plastic pallet reuse - 150/wk		12,000.00							paper	1.1 lb/ea sm. box	USEPA	1,144.00	0.57
131		Electronic - retail	7	972.40	6,136.00			0			paper	2.2 lb/ea med. box	USEPA	4,576.00	2.29
		OCC recycling - s			1,144.00						paper	4 lb/ea lg. box	USEPA	416.00	0.21
		OCC recycling - s			4,576.00						paper	2.2 lb/ea med. box	USEPA	629.20	0.31
		OCC reuse		629.20							paper	2.2 lb/ea med. box	Ecotel Field Stud	343.20	0.17
		OCC reduction / Tote usage		343.20							paper	1.5 lb/ea box	Ecotel Field Stud	780.00	0.39
132		Donut Shop	3		780.00			0			paper	1.5 lb/ea box	Ecotel Field Stud	780.00	0.39
		OCC recycling - s			780.00						paper	1.5 lb/ea box	Ecotel Field Stud	780.00	0.39

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Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source	Diversion (weight in pounds)			Metals		Restricted Pgrm Began or M/in/Ag	Inerts SR	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	
					Reduction	Recycling	SR	R	per year							per year	
133		Electronic - retail	6	2,860.00					0				paper	1.1 lb/ea sm. box	USEPA	2,860.00	1.43
134		OCC recycling - s		2,860.00													
		Grocery Store	28	91,660.80	174,710.00				0			78,000.00	other org	500 lb/ea pallet load	Bsn Avg Wt Tix	344,370.80	172.19
		closing Produce composted											other org	40 lb/ea box full	Bsn Avg Wt Tix	78,000.00	39.00
		Food donated - Food Bank		82,444.80									paper	225 lb/ea bale - (low?)	Bsn Avg Wt Tix	82,444.80	41.22
		OCC recycling			146,250.00								other org	40 lb/ea in system	USEPA	146,250.00	73.13
		change Pallet return - wood @ 35/wk.		2,800.00									other org	40 lb/ea in system	USEPA	2,800.00	1.40
		change Pallet return - plastic @ 50/wk.		4,000.00									other org	40 lb/ea in system	USEPA	4,000.00	2.00
		Pallet recycling - wood @ 2/wk.			4,160.00								other org	40 lb/ea	USEPA	4,160.00	2.08
		change OCC displaced / Tote usage		2,340.00									paper	1.5 lb/box displaced	EcoTel Field Study	2,340.00	1.17
		new in toner cartridge return		24.00									other	2.5 lbs/ea	USEPA	24.00	0.01
		new in WL recycling + 10% scratch		52.00									paper	5 lbs/ream	USEPA	562.00	0.28
		new in stretch wrap recycle			6,240.00								plastic	25 lbs/bag	Business	6,240.00	3.12
		new in bone & meat recycled			17,550.00								other org	225 lbs/barrell	Business	17,550.00	8.78
135		Grocery Store	75	11,570.00	689,300.00							302,320.00	other org	40 lb / ea in system	USEPA	1,003,190.00	501.60
		Pallet return - wood @ 100/wk.		8,000.00									other org	40 lb / ea in system	USEPA	8,000.00	4.00
		OCC recycle			604,000.00								paper	604,000 lbs/yr	Business	604,000.00	302.00
		Stretch wrap recycle			8,340.00								plastic	22.5 lb/day	Business	8,340.00	4.17
		WL recycle			13,360.00								paper	13,360 lbs/yr	Business	13,360.00	6.68
		WL reduction / on-line & hand held		3,510.00									paper	5 lbs/ream	USEPA	3,510.00	1.76
		Toner cart. return		60.00									other	2.5 lb/ea printer cart.	USEPA	60.00	0.03
		Bone & meat recycled			63,600.00								other org	63,600 lbs/year	Business	63,600.00	31.80
		Produce composted										302,320.00	other org	302,320 lbs/year	Business	302,320.00	151.16
136		food manufacturer	208	59,948.00	967,680.00											1,027,628.00	513.81
		OCC recycling			104,000.00								paper	2000 lbs/mo	Business	104,000.00	52.00
		pallet recycling - 400/wk			832,000.00								other org	40 lbs/pallet	USEPA	832,000.00	416.00
		plastic pallet reuse - 100/wk		8,000.00									other org	40 lb / ea in system	USEPA	8,000.00	4.00
		grease recycling			19,680.00								other org	410 lbs/55 gal	USEPA	19,680.00	9.84
		food spoilage to animal feed		51,948.00									other org	1443 lbs/cy	Tellus	51,948.00	25.97
		egg shells to animal feed											other org	1443 lbs/cy	Tellus	-	-
		tire recycling			12,000.00								other	60 lbs/truck tire	USEPA	12,000.00	6.00
		potato peels 400 lbs/day													Business		
137		Grocery Store	60	14,468.00	168,000.00				0				paper	40 lb / ea in system	USEPA	162,468.00	91.23
		Pallet return @ 175/wk.		14,000.00									paper	700 lb/ea bale	Bsn Avg Wt Tix	14,000.00	7.00
		OCC recycling			168,000.00								paper	1.5 lb/box displaced	EcoTel Field Study	168,000.00	84.00
		OCC reduction / Tote usage		468.00									paper			468.00	0.23
138		Woodwork Shop	1	100.00					100.00				other org	100 lbs/yr	Business	200.00	0.10
		change wood scrap reuse		100.00									other org	100 lbs/yr	Business	100.00	0.05
		verified metal recycling							1993				metal	100 lbs/yr	Business	2,093.00	1.05
139		Plumbing Equipment - retail	15	6,400.00	6,240.00								paper	4 lb / ea lg. box	USEPA	12,640.00	6.32
		OCC recycling			4,160.00								paper	4 lb / ea lg. box	USEPA	4,160.00	2.08
		OCC reuse		6,240.00									paper	4 lb / ea lg. box	USEPA	6,240.00	3.12
		Pallet recycling - s @ 1/wk.			2,080.00								other org	40 lb / ea	USEPA	2,080.00	1.04
		Pallet reuse/return @ 2/mo.		160.00									other org	40 lb / ea in system	USEPA	160.00	0.08
140		Motel	2.5	NO R OR SR ACTIVITIES												-	-
141		Temple & Center	4.5	947.00	912.00				0				paper	2.2 lb/ea med. box	USEPA	1,859.00	0.93
		OCC reuse		572.00									paper	5 lbs/ream	USEPA	572.00	0.29
		WL recycling			600.00								paper	5 lbs/ream	USEPA	600.00	0.30
		WL reduction / scratch & duplex copy		360.00									paper	5 lbs/ream	USEPA	360.00	0.18

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Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF Ben	Activity Description	EMP	Source	Reduction	Recycling	SR	Metals	R	Year	Restricted	Inerts	Composting	Material Type	Conversion Factor	Source	per year	per year
#	Type	#							M/m/Ag	SR	R		(category)	(weight per count)			
	new in toner cartridge return		15.00		312.00								paper	1 lb/ea	Ecotel Field Stud	312.00	0.16
142	Salad Manufacture	71	41,030.00	215,967.00					0			26,840.00	paper	2.5 lb/ea	USEPA	15.00	0.01
	OCC recycling			143,967.00									paper	16.64 lb/cy (whole)	Tellus	143,967.00	71.98
	Pallet return/reuse @ 250/wk.		20,000.00										other org	40 lb/ea in system	USEPA	20,000.00	10.00
	Pallets recycling - sold @ 150/mo.			72,000.00									other org	40 lb/ea	USEPA	72,000.00	36.00
	OCC reduction / reusable tubs		2,860.00										paper	1.1 lb/tub displaced	Ecotel Field Stud	2,860.00	1.43
	Plastic 55 gal. reuse		2,600.00										plastic	15 lb/ea	Ecotel Field Stud	2,600.00	1.30
	Food donated / food bank		14,400.00										other org	1200 lb/mo.	Tellus	14,400.00	7.20
	Food recycling (composted)											26,840.00	other org	1443 lb/cy	Business	26,840.00	13.42
	Paper reduction / labels deleted		1,170.00										paper	10 labels/ea oz.	Ecotel Field Stud	1,170.00	0.59
143	Drug Store & General - retail	18	5,730.00	37,772.80					0				other org	40 lb/ea	USEPA	28,120.00	14.56
	Pallets recycling - s @ 14/wk.			29,120.00									paper	16.64 lb/cy (whole)	Tellus	8,652.80	4.33
	OCC recycling			8,652.80									other	2.5 lb/ea printer cart.	USEPA	10.00	0.01
	Toner cart. return		10.00										paper	1.1 lb/box displaced	Ecotel Field Stud	5,720.00	2.86
144	Car Wash	20	5,720.00						0				plastic	1.9 lb/ea	USEPA	228.00	0.11
	Plastic 5 gal. buckets donated		228.00										paper	1 lb/ea	Ecotel Field Stud	8,459.00	4.23
145	Self Storage Facility	5	8,459.00						0				other org	40 lb/ea	USEPA	8,320.00	4.16
	ONP reuse		104.00										other	2.5 lb/ea printer cart.	USEPA	15.00	0.01
	Pallet reuse / different customers @		8,320.00										other	5 lb/ea copier cart.	Ecotel Field Stud	20.00	0.01
	Toner Cart. return		15.00										paper	1000 lb/bale	Business	780,000.00	390.00
146	General - retail	104	86,600.00	780,000.00					0				other org	204.865 lb/wk.	Business	2,600.00	1.30
	OCC recycling			780,000.00									other org	40 lb/ea in system	USEPA	64,000.00	32.00
	Food donated / food bank		2,600.00										paper	1.5 lb/box displaced	USEPA	547.50	0.27
	Pallets return @ 800/wk.		64,000.00										paper	5 lbs/ream	USEPA	4,717.50	2.36
147	Restaurant	3		199.68					0				paper	16.64 lb/cy.	Tellus	199.68	0.10
	OCC recycling			199.68									paper	700 lb/bale	USEPA	145,600.00	72.80
148	Drug Store & misc. - retail	23	32,757.50	145,600.00					0				other org	40 lb/ea in system	USEPA	1,600.00	0.80
	OCC recycling			145,600.00									other	2.5 lb/ea printer cart.	USEPA	10.00	0.01
	Pallet return @ 20/wk.		1,600.00										paper	1.5 lb/box displaced	Ecotel Field Stud	30,600.00	15.30
	Toner cart. return		10.00										paper	5 lbs/ream	USEPA	547.50	0.27
	OCC reduction / tote usage		30,600.00										other org	40 lb/ea in system	USEPA	1,500.00	0.75
149	sewing contractor	10	1,500.00	3,217.50					0				paper	1.1 lb / ea sm. box	USEPA	3,217.50	1.61
	25% lb Pallets reused @ 25/wk.		1,500.00										paper	40 lb/ea in system	USEPA	1,500.00	0.75
	25% lb OCC recycling - s			3,217.50									other org	40 lb/ea in system	USEPA	1,500.00	0.75
150	Shoe Distribution	30	64,260.00	10,400.00					0				other org	40 lb/ea in system	USEPA	1,600.00	0.80
	Pallets recycling @ 20/wk.		1,600.00										paper	4 lb/ea lg. box	USEPA	31,200.00	15.60
	OCC reuse		31,200.00										paper	2.2 lb/ea med. box	USEPA	31,460.00	15.73
	OCC reuse		31,460.00										paper	200 lb/wk.	Business	10,400.00	5.20
151	Restaurant	8	3,091.40	10,400.00					0				paper	1.1 lb/ea sm. box	USEPA	1,144.00	0.57
	OCC recycling			3,432.00									paper	2.2 lb/ea med. box	USEPA	2,288.00	1.14
	OCC recycling			1,144.00									plastic	0.1 lb/ea	Ecotel Field Stud	491.40	0.25
	OCC recycling			2,288.00									other org	3 lb/wk.	Business	156.00	0.08
	Food donated / produce for animals		156.00										other org	5 lb/day	Business	1,560.00	0.78
	Food donated / meat for animals		1,560.00														

Board Meeting
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Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source	Diversion (weight in pounds)		Metals	SR	R	M/Mn/Ag	Restricted Pgrm Began or Agor	Inerts	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	In Pounds		per year
					Recycling	Reduction											per year	in tons	
		Food donated / food bank			104.00									other org	2 lb/wk	Business	104.00		0.05
		Food donated / Employees			780.00									other org	2.5 lb/day	Business	780.00		0.39
152		Auto Repair	3		5,600.00				1,080.00	0							6,680.00	3.34	
		Tires recycling			5,600.00									other	20 lbs/tire	USEPA	5,600.00		2.80
		Metal Scrap recycling							1,080.00	30% increase since 1990				metal	300 lb/mo.	Business	1,080.00		0.54
153		Auto Parts - retail	2		192.00					0							764.00	0.38	
		OCC recycling - s			572.00									paper	2.2 lb/ea med. box	USEPA	572.00		0.29
		Paper reuse as packing			192.00									paper	8 lb/33 gal.	EcoTel Field Stud	192.00		0.10
154		Restaurant	30		1,640.00					0							1,960.00	0.98	
		Grease recycling			1,640.00									other org	7.45 lb/gal.	USEPA	1,640.00		0.82
		Pallet return @ 4/wk.												other org	40 lb/ea in system	USEPA	320.00		0.16
155		Plating Co.	25		5,720.00					0							8,628.00	4.26	
		Pallet return @ 1/wk.			80.00									other org	40 lb/ea in system	USEPA	80.00		0.04
		Pallet reuse @ 25/wk.			2,000.00									other org	40 lb/ea in system	USEPA	2,000.00		1.00
		ONP reuse			728.00									paper	1 lb/ea	EcoTel Field Stud	728.00		0.36
		OCC recycling			5,720.00									paper	1.1 lb/ea sm. box	USEPA	5,720.00		2.86
156		Church	10		NO QUANTIFIABLE ACTIVITIES														
157		Nursing Home	90		10,828.70					0							23,456.20	11.73	
		Pallets recycling @ 3/wk.			6,240.00									other org	40 lb/ea	USEPA	6,240.00		3.12
		Food donated / employee takes			5,978.70									other org	57.33 lb/wk.	Business	5,978.70		2.99
		OCC recycling			4,380.00									paper	2.2 lb/ea med. box	USEPA	4,380.00		2.19
		Wheel Chairs donated			2,007.50									paper	1.1 lb/ea sm. box	USEPA	2,007.50		1.00
		Tables donated			440.00									other	40 lb/ea	Business	440.00		0.22
		Mattress donated			1,200.00									other	15 lb/ea	Business	1,200.00		0.60
		Drapes donated			1,440.00									other	15 lb/ea	Business	1,440.00		0.72
		Curtains donated			480.00									other	9 lb/ea	Business	480.00		0.23
		Bulbs & Fixtures donated			840.00									other	5 lb/ea	Business	840.00		0.42
158		General Merchandise - retail	6		5,460.00					0							5,460.00	2.73	
		OCC displaced / tote usage			5,460.00									paper	1.5 lb/box displaced	EcoTel Field Stud	5,460.00		2.73
159		Printing Company	20		9,020.00				9,600.00	0							210,620.00	105.31	
		OCC recycling			12,000.00									paper	50 lb/cy	USEPA	12,000.00		6.00
		Alum. Printing Plates recycled							9,600.00	1992				metal	800 lb/mo.	Business	9,600.00		4.80
		Plastic 30 gal. drum reuse			420.00									plastic	7 lb/ea	EcoTel Field Stud	420.00		0.21
		Pallet reuse @ 100/wk.			8,000.00									other org	40 lb/ea in system	USEPA	8,000.00		4.00
		MIP recycling			174,480.00									paper	363.5 lb/cy	USEPA	174,480.00		87.24
		WL recycling			720.00									paper	60 lb/wk.	Business Wt. Ticke	720.00		0.36
		OCC reuse @ 100 sm-med. boxes			600.00									paper	1.5 lb/ea sm-med box	EcoTel Field Stud	600.00		0.30
		Pallet recycle - broken - s @ 10/mo.			4,800.00									paper	40 lb/ea	USEPA	4,800.00		2.40
160		Sales & Service of Appliances	14		270.00				10,350.00	0				other org			37,180.00	18.59	
		OCC recycling - s			26,000.00												26,000.00	13.00	
		WL recycling			260.00									paper	500 lb/ wk.	Business	260.00		0.13
		WL reduction / scratch & duplex			260.00									paper	5 lbs/ream	USEPA	260.00		0.13
		CPO recycling			300.00									paper	25 lb/mo.	USEPA	300.00		0.15
		Toner cart. return			10.00									other	2.5 lb/ea printer cart.	USEPA	10.00		0.01
		metal appliance recycling							10,350.00	75% from 1990				metal	13,800 in 2000 is up 75% from '90	Business	10,350.00		5.18
161		Coffee Shop	8.5		930.45					0							930.45	0.47	
		Paper reduction / mug usage - char			109.20									paper	0.14 lb/ea cup displac	Actual	109.20		0.05

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF Bsn	Activity Description	EMP #	Source	Reduction	Diversion (weight in pounds)	SR	Metals	R	Year Restricted	Inerts	Ag	Composting	Material Type	Conversion Factor	Source	per year	per year
#	Type								M/In/Ag	SR	R		(category)	(weight per count)			
162	Food donation - Salvation Army	5	821.25	3,589.00	-	-	-	-	0	-	-	-	other org	4.5 lb/day	Business	821.25	0.41
	Plastic Sleeve Manufacture / Electron	5	2,680.00	1,092.00	-	-	-	-	0	-	-	-	paper	3 lb/day	Ecotai Field Stud	6,269.00	3.13
	OCC recycling - s			2,600.00	-	-	-	-	0	-	-	-	paper	50 lb/wk	Ecotai Field Stud	2,600.00	0.55
	ONP recycling			417.00	-	-	-	-	0	-	-	-	paper	1 lb/ea	USEPA	417.00	0.21
	Pallets recycling - s @ 1/wk			2,080.00	-	-	-	-	0	-	-	-	other org	40 lb/ea	USEPA	2,080.00	1.04
	new in pallet reuse 1/wk			80.00	-	-	-	-	0	-	-	-	other org	40 lbs/ea in system	USEPA	80.00	0.04
163	Restaurant	8	228.80	-	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	228.80	0.11
	locks HOCOC recycling - s			-	-	-	-	-	0	-	-	-	paper	1.1 lb/ea sm. box	USEPA	-	-
	new in OCC reuse			228.80	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	228.80	0.11
164	Fast Food NO QUANTIFIABLE ACTIVITY	7.5	-	4,075.50	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	4,075.50	2.04
165	Fast Food Restaurant	8	-	4,075.50	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	4,075.50	2.04
	OCC recycling - s			4,075.50	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	4,075.50	2.04
166	Grocery Store	32	4,800.00	276,195.00	-	-	-	-	0	-	-	-	paper	266,640 lb/yr	Actual Wt. Ticket	276,195.00	133.32
	OCC recycling			266,640.00	-	-	-	-	0	-	-	-	paper	50 lb/cu. ft.	FEECO	9,555.00	4.78
	Meat & Fat recycling			9,555.00	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	4,800.00	2.40
167	Engineering Company	39	100.00	-	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	100.00	0.05
	Pallet reuse @ 1/mo.			80.00	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	80.00	0.04
	Toner cart. return			20.00	-	-	-	-	0	-	-	-	other	2.5 lb/ea in system	USEPA	20.00	0.01
168	Towing / vehicle yard	10	NO QUANTIFIABLE ACTIVITY	-	-	-	-	-	0	-	-	-	-	-	-	-	-
169	Fast Food Restaurant	30	422.00	17,153.50	-	-	-	-	0	-	-	-	other org	7.45 lb/gal	USEPA	17,153.50	8.79
	Grease recycling			10,653.50	-	-	-	-	0	-	-	-	paper	50 lb/cy	USEPA	6,500.00	3.25
	OCC recycling			6,500.00	-	-	-	-	0	-	-	-	plastic	1.9 lb/ea	USEPA	342.00	0.17
	Plastic 5 gal bucket reuse			342.00	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	80.00	0.04
	Pallet - plastic return @ 1/2wks.			80.00	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	16,940.00	8.47
170	Fast Food Restaurant	35	80.00	16,860.00	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	6,200.00	3.10
	OCC recycling			6,200.00	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	80.00	0.04
	Pallet return @ 1/wk. NO LONGER			80.00	-	-	-	-	0	-	-	-	other org	410 lb/55 gal.	USEPA	10,660.00	5.33
171	Department Store - retail	165	2,560.00	453,000.00	-	-	-	-	0	-	-	-	paper	700 lb/ea bale	Bsn Avg Wt. Tix	455,560.00	227.78
	OCC recycling			369,000.00	-	-	-	-	0	-	-	-	paper	700 lb/ea bale	Bsn Avg Wt. Tix	369,000.00	184.50
	OCC recycling / extra high season			84,000.00	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	2,000.00	1.00
	Pallet return @ 25/wk.			60.00	-	-	-	-	0	-	-	-	other	2.5 lb/ea printer cart.	USEPA	60.00	0.03
	Toner cart. return			500.00	-	-	-	-	0	-	-	-	paper	5 lbs/ream	USEPA	500.00	0.25
172	taxi cab	200	50,400.00	2,400.00	-	-	-	-	0	-	-	-	paper	200lbs/month	Business estimate	50,400.00	25.20
	OCC recycling			2,400.00	-	-	-	-	0	-	-	-	paper	50 lbs/cy	USEPA	2,400.00	1.20
	tire recycling			48,000.00	-	-	-	-	0	-	-	-	other	20lbs/each	USEPA	48,000.00	24.00
	didn't metal recycling 26000			-	-	-	-	-	0	-	-	-	metal	500lbs/week	Business estimate	-	-
173	Art Reproduction	55	14,454.00	10,400.00	-	-	-	-	0	-	-	-	paper	50 lb/cy	USEPA	11,854.00	5.93
	OCC recycling - s			10,400.00	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	800.00	0.40
	Pallet return - s @ 10/wk			494.00	-	-	-	-	0	-	-	-	plastic	1.9 lb/ea	USEPA	494.00	0.25
	Plastic 5 gal. bucket reuse			160.00	-	-	-	-	0	-	-	-	other org	40 lb/ea in system	USEPA	160.00	0.08
174	Bindery Company - Books	14	1,000.00	7,348.40	-	-	-	-	0	-	-	-	paper	2.2 lb/ea med. box	USEPA	8,348.40	4.17
	OCC recycling			686.40	-	-	-	-	0	-	-	-	paper	5 lb/ea ream	USEPA	120.00	0.06
	Wt. recycling			120.00	-	-	-	-	0	-	-	-	-	-	-	-	-

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn	Activity Description	EMP #	Source	Reduction	Recycling	Metals	Restricted Prgm Began or Agor Ag	Inerts	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	In Pounds	In Tons	per year
#	Type						SR	R	M/in/Ag	SR	R					
175	Restaurant	MP recycling			1,000.00	6,543.00						363.5 lb/cy	USEPA	6,543.00		3.27
		Increased Pallets reuse @ 12.5/wk.										20 lb ea in system	EcoTel Field Stud	1,000.00		0.50
176	Restaurant	Zero - No R or SR	10	NO QUANTIFIABLE ACTIVIT					0							
		OCC reuse	22	426.40	21,307.00				0							
		Grease recycling			228.80											
		Plastic 5 gal. bucket reuse			197.60	21,307.00						2.2 lb/ea med. box	USEPA	21,733.40		10.87
177	Fast Food Restaurant		10	17,160.00								7.45 lb/gal.	USEPA	21,307.00		10.65
		OCC recycling			17,160.00				0			1.9 lb/ea	USEPA	197.60		0.10
178	Machine Shop		1	80.00	240.00				0			2.2 lb/ea med. box	USEPA	17,160.00		8.58
		didn't Metal Scrap recycling 8154														
		Pallet recycling - s or burned - 1 @ 2 mo.			240.00							226.5 lb/55 gal.	USEPA	320.00		0.16
		Pallet return - 1 @ 2 mo.			80.00							40 lb/ea	USEPA	240.00		0.12
179	bone cover/trac bags		8	3,600.00	48,620.00				0			40 lb/ea in system	USEPA	80.00		0.04
		ase in 2000 Pallet recycling - sold @ 17.5/wk.			38,220.00											
		OCC recycling			10,400.00							40 lb/ea	USEPA	38,220.00		19.11
		Plastic 55 gal. return			3,600.00							200 lb/wk.	Bsn Avg Wt Tlx	10,400.00		5.20
180	Smog Check		3	NO QUANTIFIABLE ACTIVIT					0			15 lb/ea	EcoTel Field Stud	3,600.00		1.80
181	Sewing Company		22		572.00				0							
		OCC recycling			572.00							2.2 lb/ea med. box	USEPA	572.00		0.29
182	Marketing Company / rental trucks		20	320.00	7,200.00				0							
		Pallet return @ 4/wk			320.00							40 lb/ea in system	USEPA	7,520.00		3.76
		Tire recycling / truck			7,200.00							60 lb/ea truck tire	USEPA	320.00		0.16
183	Bank		70	566.28	4,330.40				0							
		WL recycling			4,330.40							5 lbs/ream	USEPA	4,896.88		2.45
		WL reduction / scratch & duplex cop			566.28							5 lbs/ream	USEPA	4,330.40		2.17
184	Postal Service		3						0							
		WL Shred recycling										8 lb/33 gal.	USEPA	566.28		0.28
185	Shipping Services		250	8,000.00	101,200.00				0							
		Plastic reduction / reusable bags			6,000.00							500 lb/ea	Business	107,200.00		53.80
		OCC recycling			6,000.00							400 lb/cy - compacted	USEPA	6,000.00		3.00
		MP recycling			5,200.00							100 lb/wk	Business	96,000.00		48.00
186	Knit Fabric Manufacture		14	2,670.00	65,600.00				0							
		OCC recycling			62,400.00							6 lb/ea huge box	Business	5,200.00		2.60
		Paper reduction / duplex copies			270.00							5 lbs/ream	USEPA	68,270.00		34.14
		Pallet recycling @ 30 / 4.5 - mo.'s.			3,200.00							40 lb/ea	USEPA	62,400.00		31.20
		Pallet reuse @ 30 / 4.5 - mo.'s.			2,400.00							40 lb/ea in system	USEPA	270.00		0.14
		Pallets - "green" - reuse @ 80/mo.										34.8 lb/ea	Business	3,200.00		1.60
187	Warehouse/Distribution / Auto Parts		23	NO QUANTIFIABLE ACTIVITIES												
188	Metal Stamping		22	3,802.50	3,014.12				0							
		Pallets recycling @ 4.5/mo. - s			2,160.00							40 lb/ea	USEPA	26,816.62		13.41
		Pallet repair @ 4/mo.			1,920.00							40 lb/ea	USEPA	2,160.00		1.08
		Toner cart. return			15.00							2.5 lb/ea printer cart	USEPA	1,920.00		0.96
		OCC reuse			180.00							1.5 lb/ea	EcoTel Field Stud	15.00		0.01
		Metal recycling										20,000 lb/yr.	Business	180.00		0.09
		Glass recycling / flat			320.79				Up 50% / 1990			80 lb/cf.	FECCO	20,000.00		10.00
																0.16

Board Meeting January 14-15, 2003

Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)	Recycling	SR	Metals	R	Year Restricted Firm Began or Mfr/Ag	Inerts SR	R	Material Type (category)	Conversion Factor (weight per count)	Source	per year	per year
189		Paper-Metal reels reused		1,687.50	533.33								paper	1.25 lb/ea	Ecotai Field Stud	1,687.50	0.84
189		OCC recycling											paper	50 lb/cy	Ecotai Field Stud	533.33	0.27
189		Custom Furniture & Upholstering	2	2,856.00						0			other	1 lb/gal	Business	2,856.00	1.43
190		Fabric Scrap reuse											other		Business	2,856.00	1.43
190		OCC recycling	120	37,000.00	911,936.66								paper	700 lbs/bale	USEPA	1,089,336.66	544.87
		grease recycling			766,500.00								other org	7.45 lbs/gallon	USEPA	766,500.00	383.25
		bone barrel			110,586.66								other org	100 lbs/barrel	Business	110,586.66	55.29
		food waste / plants/ waxed OCC for compost			3,000.00								other org	270 lbs/pallet	Wons in Ingewood	3,000.00	1.50
		pallet return - 280/lwk			22,400.00								other org	40 lb / ea in system	USEPA	140,400.00	70.20
		plastic bags, stretch & plastic buckets sent to recycle			14,600.00								plastic	25 lbs/bag	Business	22,400.00	11.20
		food donations			31,850.00								other org	1 lb/lot avg.	Business	31,850.00	15.93
191		Button Distributor & Manufacture	8	NO QUANTIFIABLE ACTIVITY						0			other org			14,600.00	7.30
192		Zero - No R or SR															
192		Fast Food	29		44,678.88					0			other org	57 lb/st.	FEECO	44,678.88	22.34
193		Grease recycling			44,678.88								other org			44,678.88	22.34
193		Aerospace Manufacture	80	3,215.00						0			other org	40 lb/ea in system	USEPA	3,215.00	1.61
		Pallet return @ 40/wk.			3,200.00								paper	5 lb/ea copier cart.	Ecotai Field Stud	3,200.00	1.60
194		Toner cart. return			15.00					0			other org	20 lbs/sm pallet	field estimate	15.00	0.01
		pallet return - 70% of 10 sm/wk			664.05	5,200.00							other	4 lb/ea	Ecotai Field Stud	6,060.55	3.05
		toner cartridge return			280.00								other	40 lbs/pallet	USEPA	280.00	0.14
		pallet recycling - 2.3/wk			48.00								plastic	1.9 lb/ea	USEPA	48.00	0.02
		metal plates			79.80								metal	226.50 lb/55 gal	USEPA	5,200.00	2.60
		paper savings since computer progr			100.00								paper	100 lb/yr	Business	79.80	0.04
		reduced use of layout boards			93.75								paper	500 @ 3 oz boards	Business	226.50	0.11
		reduced film use			31.25								plastic	500 photos @ 1 oz	Business	100.00	0.05
		envelope reuse			31.25								paper	0.25 oz / ea	Business	93.75	0.05
195		Savings Bank	15	2,130.16	1,103.80					0			paper	0.77 lb/gal.	USEPA	31.25	0.02
		WVL recycling			1,103.80								paper	5 lbs/ream	USEPA	3,238.96	1.62
		WVL reduction / scratch & duplex @2			277.60								paper	5 lbs/ream	USEPA	1,108.80	0.55
		WVL reduction / on-line reports & ma			656.00								paper	5 lbs/ream	USEPA	277.60	0.14
		Grasscycling			1,134.06								green waste	6.5 tons/acre	USEPA	656.00	0.33
		Toner cart. return - printer			12.50								other	2.5 lb/ea printer cart.	USEPA	1,134.06	0.57
		Toner Cart. return - copiers			50.00								other	5 lb/ea copier cart.	Ecotai Field Stud	12.50	0.01
196		Tire Store	6	1,560.00	62,400.00					0			other	20 lbs/car tire	USEPA	50.00	0.03
		OCC reduction / tote usage			62,400.00								paper	1.5 lb/ea box displaced	Ecotai Field Stud	63,960.00	31.96
197		Sandblasting Contractor	2	1,560.00	342.86					0			other	40 lb/ea	USEPA	62,400.00	0.30
		Pallet recycling - s @ 2.5/3.5 mo.			342.86								metal	5000 lb/yr	Business	1,560.00	0.78
198		Restaurant	5		5,437.00								paper	10 lb/wk. - low	field estimate	342.86	0.17
		OCC recycling - s			5,437.00								other org	7.45 lb/gal.	USEPA	5,437.00	2.72
		Grease recycling			520.00								paper	1.1 lb/ea sm. box	USEPA	5,000.00	2.50
199		Print Shop	2	772.00	5,764.50					0			paper	363.5 lb/gal.	USEPA	520.00	0.26
		OCC reuse			5,764.50								paper	1 lb/ea	Ecotai Field Stud	4,917.00	2.46
		ONP recycling			5,452.50								paper	1 lb/ea	Ecotai Field Stud	7,136.50	3.57
		Aluminum plate recycling			312.00					1991			metal	600 lbs/yr	Business	5,452.50	2.73
																312.00	0.16
																600.00	0.30

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF	Bsn	Activity Description	EMP	Source	Reduction	Recycling	Metals	Restricted	Inerts	Composting	Material Type	Conversion Factor	Source	per year	per year
#	Type		#				SR	R	M/in/Ag	or Ag or Ag	(category)	(weight per count)			
		less in Pallet return @ 2.5/wk.			200.00									200.00	0.10
200	Furniture Distribution & Manufacture		120		8,000.00	15,600.00			Q		other org	4 lb/ea in system	USEPA	23,600.00	11.80
	Paper recycling					15,600.00					paper	300 lb/wk	Business	15,600.00	7.80
	Pallet reuse @ 100/wk.				8,000.00						other org	4 lb/ea in system	USEPA	8,000.00	4.00
201	Auto Repair		4			686.40					paper	2.2 lbs/box	USEPA	686.40	0.34
	OCC boxes recycled					686.40								686.40	0.34
202	Auto body shop		37			3,861.00					paper		USEPA	3,861.00	1.93
	OCC boxes recycled					3,861.00									
203	Restaurant		5			6,636.00					paper	1.1 & 2.2 lb boxes	USEPA	6,636.00	3.32
	OCC boxes recycled					6,636.00									
	OCC boxes recycled					1,716.00					paper	2.2 lbs/box	USEPA	1,716.00	0.86
	Grease recycling					4,920.00					other org	7.45 lbs/gal	USEPA	4,920.00	2.46
204	Fast Food Restaurant		5			5,818.00					paper	2.2 & 4 lb boxes	USEPA	5,818.00	2.91
	OCC boxes recycled					4,030.00					other org	7.45 lbs/gal	USEPA		
	Grease recycling					1,788.00					paper	2.2 lbs/box	USEPA		
205	Restaurant		3			5,018.00					paper	2.2 lbs/box	USEPA	5,018.00	2.51
	OCC boxes recycled					1,144.00					other org	7.45 lbs/gal	USEPA	1,144.00	0.57
	Grease					3,874.00					paper	2.2 lbs/box	USEPA	3,874.00	1.94
206	Liquor Store		2		343.20	1,601.60					other org	7.45 lbs/gal	USEPA	1,944.80	0.97
	OCC boxes recycled					1,601.60					paper	2.2 lbs/box	USEPA		
	Totes reused				343.20						paper	2.2 lbs/box	USEPA		
207	Fast food restaurant		15			2,460.00					other org	7.45 lbs/gal	USEPA	2,460.00	1.23
	Grease recycling					2,460.00					paper	2.2 lbs/box	USEPA	2,460.00	1.23
208	Tire Shop		6			72,000.00			(?)		metal	50 lb/wk.	Business	74,600.00	37.30
	Scrap Metal Recycling					72,000.00					Other	20 lbs/tire	USEPA	72,000.00	36.00
	Tires recycled					72,000.00									
209	donut shop		3												
	No activity														
210	Beauty Supply Store		2			1,128.40					paper	2.2 & 4 lb boxes	USEPA	1,128.40	0.56
	OCC boxes recycled					1,128.40								1,128.40	0.56
211	Restaurant		3			7,046.00					paper	2.2 lbs/box	USEPA	7,046.00	3.52
	OCC boxes recycled					1,716.00					other org	7.45 lbs/gal	USEPA	1,716.00	0.86
	Grease recycling					5,330.00					paper	2.2 lbs/box	USEPA	5,330.00	2.67
212	Restaurant		4			5,892.00					other org	7.45 lbs/gal	USEPA	5,892.00	2.95
	OCC boxes recycled					3,432.00					paper	2.2 lbs/box	USEPA		
	Grease recycling					2,460.00					other org	7.45 lbs/gal	USEPA		
213	Restaurant		26			105,300.00					paper	1.1 & 2.2 lb boxes	USEPA	105,300.00	52.65
	OCC boxes recycled					47,190.00					other org	7.45 lbs/gal	USEPA		
	Grease recycling					58,110.00					paper	2.2 lbs/box	USEPA	2,288.00	1.14
214	Beauty Supply		2			2,288.00					paper	2.2 lbs/box	USEPA	2,288.00	1.14
	OCC boxes recycled					2,288.00					other org	7.45 lbs/gal	USEPA	2,288.00	1.14
215	Meat Market		3			9,776.00					paper	2.2 lbs/box	USEPA	9,776.00	4.89
	OCC boxes recycled					4,576.00					other org	100 lbs/wk	Business	5,200.00	2.60
	Bone / Fat recycling					5,200.00					paper	2.2 lbs/box	USEPA	5,200.00	2.60
216	Nail Shop		4			686.40					paper	2.2 lbs/box	USEPA	686.40	0.34
	OCC boxes recycled					686.40								686.40	0.34
217	Liquor Store		2			3,159.00					paper	1.1, 2.2 & 4 lb boxes	USEPA	3,159.00	1.58
	OCC boxes recycled					3,159.00					paper	2.2 & 4 lb boxes	USEPA	10,536.00	5.27
218	Retail Bakery		3		780.00	4,836.00					other org	7.45 lbs/gal	USEPA	4,836.00	2.42
	OCC boxes recycled					4,920.00					other org	15 lbs/wk	Business	4,920.00	2.46
	Grease recycling					780.00								780.00	0.39
219	Bicycle Shop		2			1,144.00								1,144.00	0.57

Board Meeting January 14-15, 2003

Agenda Item Attachment 2a

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Ban Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)	Recycling	SR	Metals	R	Year Restricted Pgm Began M/n/Ag	Inerts	Ag or Ag Ag	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	per year	in tons	per year
220	Dept Store	OCC boxes recycled	5		1,144.00									paper	2.2lbs/box	USEPA	1,144.00	0.57	
221	Health Food Store	OCC boxes recycled	2		5,720.00									paper	2.2lbs/box	USEPA	5,720.00	2.86	
222	Furniture Store	OCC boxes recycled	2		572.00									paper	2.2lbs/box	USEPA	572.00	0.29	
223	Drug Store	OCC boxes recycled	3		4,160.00									paper	4.1bs/box	USEPA	4,160.00	2.08	
224	Grocery Store	OCC boxes recycled	35		4,118.40									paper	2.2 & 4 lb boxes	USEPA	4,118.40	2.06	
225	Restaurant	OCC boxes recycled	3		14,657.50									paper	2.2 lbs/box	USEPA	14,657.50	7.33	
226	Liquor Store	OCC boxes recycled	2		3,432.00									paper	2.2 lbs/box	USEPA	3,432.00	1.72	
227	Fast Food Rest	OCC boxes recycled	3		3,604.00									paper	2.2 lbs/box	USEPA	3,604.00	1.80	
228	Fast Food fast	OCC boxes recycled	17		2,460.00									paper	2.2 lbs/box	USEPA	2,460.00	1.23	
229	Meat Market	OCC boxes recycled	2		6,633.00									paper	2.2 lbs/box	USEPA	6,633.00	3.32	
230	Liquor Store	OCC boxes recycled	3		12,870.00									paper	2.2 lbs/box	USEPA	12,870.00	6.44	
231	Fast Food Restaurant	OCC boxes recycled	3		4,920.00									paper	2.2 lbs/box	USEPA	4,920.00	2.46	
232	Restaurant	OCC boxes recycled	14		2,460.00									paper	2.2 lbs/box	USEPA	2,460.00	1.23	
233	Restaurant	OCC boxes recycled	6		2,460.00									paper	2.2 lbs/box	USEPA	2,460.00	1.23	
234	Auto Parts	OCC boxes recycled	7		1,372.80									paper	2.2 lbs/box	USEPA	1,372.80	0.69	
235	Supermarket	OCC boxes recycled	48		348,720.00									paper	2.2 lbs/box	USEPA	348,720.00	174.06	
236	Tire Store	OCC boxes recycled	6		182,348.00									paper	2.2 lbs/box	USEPA	182,348.00	96.17	
237	Fast Food Restaurant	OCC boxes recycled	20		2,600.00									paper	2.2 lbs/box	USEPA	2,600.00	1.30	
238	Fast Food Restaurant	OCC boxes recycled	12		5,330.00									paper	2.2 lbs/box	USEPA	5,330.00	2.67	

City of Gardena Non-Residential Sector Waste Audits -- All Generators Surveyed

REF #	Bsn Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)		Metals	Restricted Pgm	Inerts	Composting	Material Type (category)	Conversion Factor (weight per count)	Source	in Pounds	
					Recycling	SR		Mln/Ag	SR	R				per year	per year
239	Gas Station	OCC boxes recycled	3	-	2,860.00	-	-	-	-	-	paper	2.2 lbs/box	USEPA	2,860.00	1.43
240	Liquor Store	OCC boxes recycled	3	-	2,574.00	-	-	-	-	-	paper	1.1 & 2.2 lb boxes	USEPA	2,574.00	1.29
241	Fast food restaurant	OCC recycle	10	-	4,917.00	-	-	-	-	-	paper	2.2 lbs/box	USEPA	4,917.00	2.46
242	Car Wash	Grease recycling	25	1,144.00	4,917.00	-	-	-	-	-	other org	7.45 lbs/gal	USEPA	4,917.00	2.46
243	Retail Market	OCC reuse	3	1,144.00	1,144.00	-	-	-	-	-	paper	2.2 lbs/box	USEPA	1,144.00	0.57
244	Fast Food Restaurant	OCC recycle	5	-	6,188.00	-	-	-	-	-	paper	2.2 & 4 lb boxes	USEPA	6,188.00	3.09
245	Adult Entertainment	Grease recycling	20	-	3,356.00	-	-	-	-	-	other org	7.45 lbs/gal	USEPA	3,356.00	1.68
246	Fast food restaurant	Grease recycling	10	-	1,640.00	-	-	-	-	-	paper	1.1 & 2.2 lb boxes	USEPA	1,640.00	0.82
247	Liquor	OCC recycling	2	-	1,716.00	-	-	-	-	-	paper	2.2 lbs/box	USEPA	1,716.00	0.86
248	Retail Market	OCC boxes recycled	2	-	3,003.00	-	-	-	-	-	paper	1.1 & 2.2 lb boxes	USEPA	3,003.00	1.50